SONY

DIGITAL COLOR PRINTER

UP-D6300
UP-D6400
UP-D6500

AUTO CARD STACKER

UPA-6002

AUTO CARD FEEDER

UPA-6003

SERVICE MANUAL

Vol. 2 (1st Edition)

MANUAL STRUCTURE

Purpose of this manual

This manual is the Service Manual Vol.2 of the digital color printer UP-D6300/D6400/D6500, auto card stacker UPA-6002 and auto card feeder UPA-6003.
This manual contains the semiconductor pin assignments, spare parts, block diagram, circuit diagrams and mounted circuit boards.

Related manuals

In addition to this Service Manual Vol.2, the following manual is provided.

- **Service Manual Vol.1**
  Part No. 9-977-356-11 (for UC, CE)
  Contains the operating instructions, service information, self diagnosis (mode), trouble shooting and circuit operation description.

http://getMANUAL.com

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SECTION 6
SEMICONDUCTOR PIN ASSIGNMENTS

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

ここに記載されている半導体は，それぞれの機能を等価的に表したものです。　なお，互換性のない型名を併記していることがありますので，部品を交換するときは，Spare Partsの章を参照してください。
等価回路はICメーカーのデータブックに従いました。

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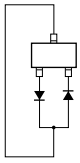
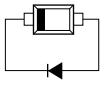
DIODE

—TOP VIEW—



1SS123-T1
1SS226

—TOP VIEW—



1SS352
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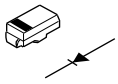
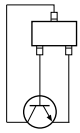


D1FL20U-TA
RB160L-40TE25

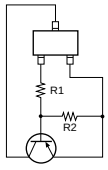
TRANSISTOR

—TOP VIEW—



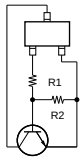
2SC2411K-CQ

—TOP VIEW—



DTA123JKA-T146
(R1=2.2 K, R2=47 K)
DTA144EKA-T146
(R1, R2=47 K)

—TOP VIEW—



DTC114EKA-T146
(R1, R2=10 K)
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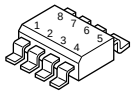
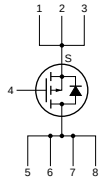
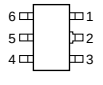
(R1, R2=22 K)



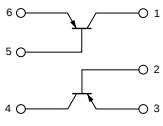
HAT1036R-EL



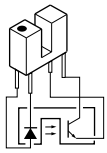
—TOP VIEW—



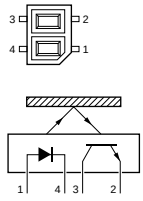
XN4404



OTHERS



GP1S58V

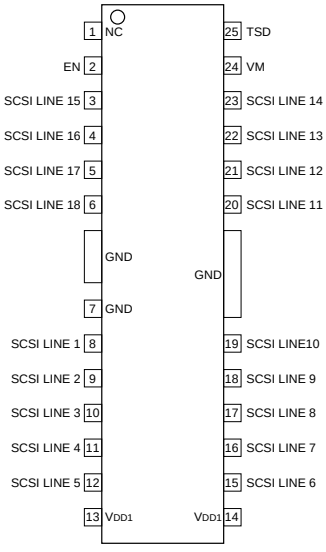


GP2S40K

IC

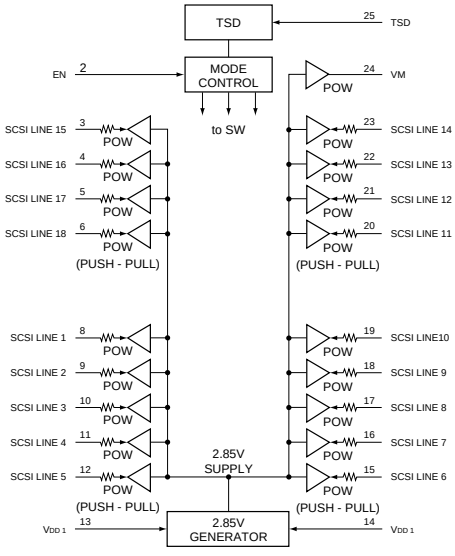
BH9595FP-Y-E2 (ROHM)

SCSI ACTIVE TERMINATOR
—TOP VIEW—



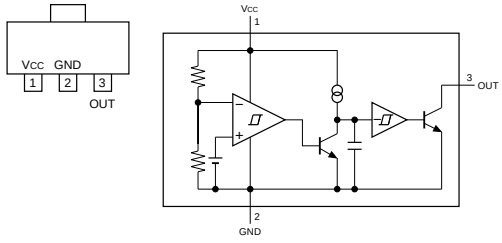
EN (PIN 2)	MODE
0	SCSI Line are High Impedance.
1	SCSI Line are connected with 2.85V through resistors.

0 : LOW LEVEL
1 : HIGH LEVEL



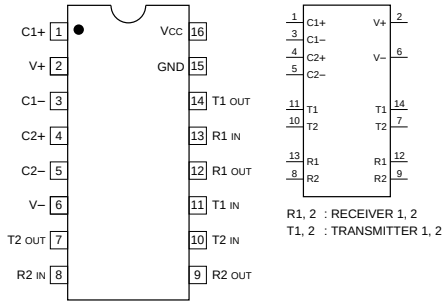
M51951BML (MITSUBISHI)

POWER VOLTAGE DETECT AND DELAY CIRCUIT
—SIDE VIEW—

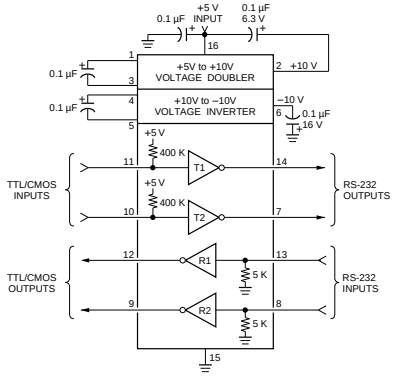


MAX202CSE (MAXIM)

RS-232 TRANSMITTER/RECEIVER
—TOP VIEW—



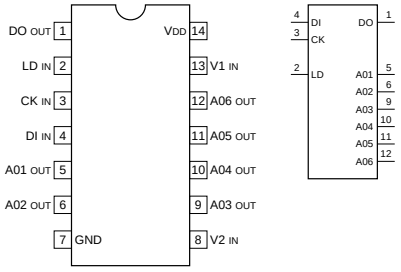
R1, 2 : RECEIVER 1, 2
T1, 2 : TRANSMITTER 1, 2



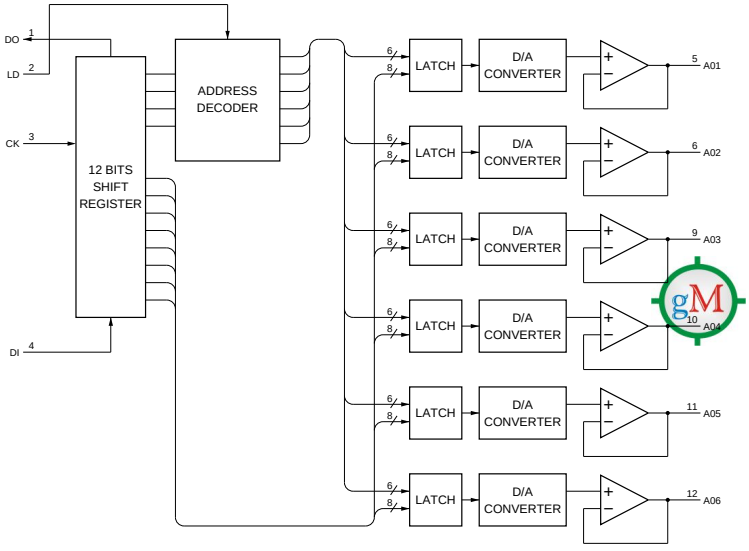
M62354FP (MITSUBISHI)

C-MOS 8-BITS 6 CHANNEL D/A CONVERTER

—TOP VIEW—



A01 - A06 ; 8-BITS D/A OUTPUTS
CK ; CLOCK INPUT
DI ; 12-BITS SERIAL DATA INPUT
DO ; BIT DATA OF MSB OF 12-BITS SHIFT REGISTER OUTPUT
LD ; LOAD INPUT
V1 ; REFERENCE VOLTAGE (UPPER) +3.5 to +5 (VDD) V
V2 ; REFERENCE VOLTAGE (LOWER) 0 to +1.5 (VDD–3.5) V



D0	D1	D2	D3	D4	D5	D6	D7	D/A OUTPUT
0	0	0	0	0	0	0	0	(V1–V2) / 256 × 1 + V2
1	0	0	0	0	0	0	0	(V1–V2) / 256 × 2 + V2
0	1	0	0	0	0	0	0	(V1–V2) / 256 × 3 + V2
1	1	0	0	0	0	0	0	(V1–V2) / 256 × 4 + V2
:	:	:	:	:	:	:	:	:
0	1	1	1	1	1	1	1	(V1–V2) / 256 × 255 + V2
1	1	1	1	1	1	1	1	V1

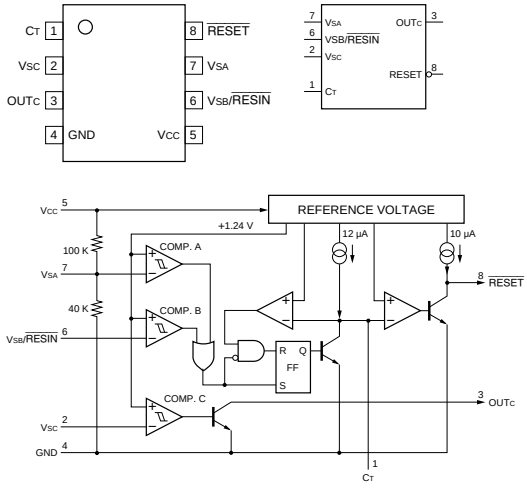
D8	D9	D10	D11	ADDRESS SELECT
0	0	0	0	×
0	0	0	1	A01
0	0	1	0	A02
0	0	1	1	A03
0	1	0	0	A04
0	1	0	1	A05
0	1	1	0	A06
0	1	1	1	×
1	×	×	×	×

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE

MB3771PF (FUJITSU)FLAT PACKAGE

2-WAY SUPPLY VOLTAGE SUPERVISOR

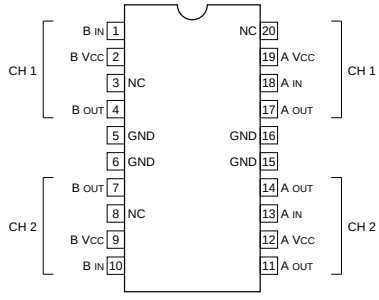
—TOP VIEW—

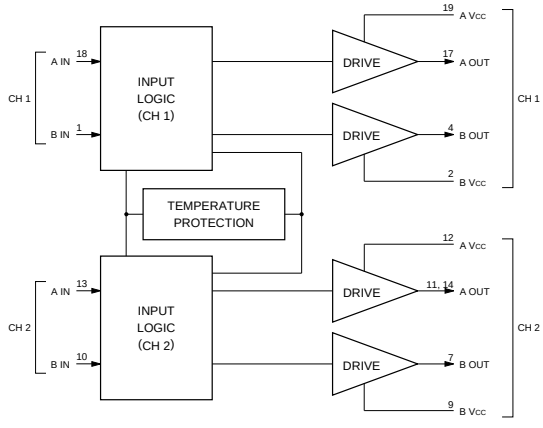


MB3863PF-G-BND (FUJITSU)

DUAL MODE MOTOR DRIVER

—TOP VIEW—

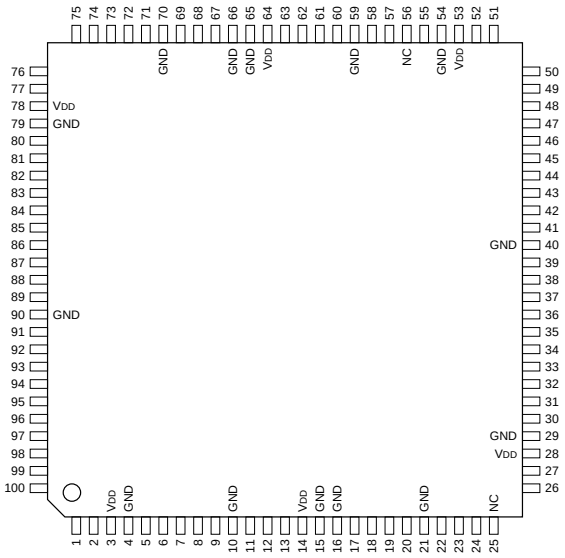




MB86604L (FUJITSU)

C-MOS SCSI-2 PROTOCOL CONTROLLER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	WR (LDS)	26	I	IOWR (DMLDS)	51	I	DACK	76	I	A4
2	I	RD (R/W)	27	I	IORD (DMR/W)	52	O	DREQ	77	I	CS0
3	—	VDD	28	—	VDD	53	—	VDD	78	—	VDD
4	—	GND	29	—	GND	54	—	GND	79	—	GND
5	I	CLK	30	I	DMA0	55	I	TP	80	I	CS1
6	I	RESET	31	I/O	LDMDP	56	—	NC	81	I/O	LDP
7	O	INT (INT)	32	I/O	DMD0	57	I	TEST2	82	I/O	D0
8	I	MODE	33	I/O	DMD1	58	I/O	I/O	83	I/O	D1
9	I/O	DBP	34	I/O	DMD2	59	—	GND	84	I/O	D2
10	—	GND	35	I/O	DMD3	60	I/O	REQ	85	I/O	D3
11	I/O	DB7	36	I/O	DMD4	61	I/O	C/D	86	I/O	D4
12	I/O	DB6	37	I/O	DMD5	62	I/O	SEL	87	I/O	D5
13	I/O	DB5	38	I/O	DMD6	63	I/O	MSG	88	I/O	D6
14	—	VDD	39	I/O	DMD7	64	—	VDD	89	I/O	D7
15	—	GND	40	—	GND	65	—	GND	90	—	GND
16	—	GND	41	I/O	DMD8	66	—	GND	91	I/O	D8
17	I/O	DB4	42	I/O	DMD9	67	I/O	RST	92	I/O	D9
18	I/O	DB3	43	I/O	DMD10	68	I/O	ACK	93	I/O	D10
19	I/O	DB2	44	I/O	DMD11	69	I/O	BSY	94	I/O	D11
20	I/O	DB1	45	I/O	DMD12	70	—	GND	95	I/O	D12
21	—	GND	46	I/O	DMD13	71	I/O	ATN	96	I/O	D13
22	I/O	DB0	47	I/O	DMD14	72	I	A0	97	I/O	D14
23	I	TEST1	48	I/O	DMD15	73	I	A1	98	I/O	D15
24	O	TMOUT	49	I/O	UDMDP	74	I	A2	99	I/O	UDP
25	—	NC	50	I	DMBHE (DMUDS)	75	I	A3	100	I	BHE (UDS)

SCSI INTERFACE

INPUT/OUTPUT

ACK	: ACKNOWLEGE
ATN	: ATTENTION
BSY	: BUSY
C/D	: CONTROL/DATA
DB0 - DB7	: DATA BUS0 - DATA BUS7
DBP	: DATA BUS PARITY
I/O	: INPUT/OUTPUT
MSG	: MESSAGE
REQ	: REQUEST
RST	: RESET
SEL	: SELECT

MPU INTERFACE

INPUT

A0 - A4	: ADDRESS0 - ADDRESS4
BHE (UDS)	: BUS HIGH ENABLE (UPPER DATA STOROBE)
CS0	: CHIP SELECT 0
CS1	: CHIP SELECT 1
MODE	: MODE
RD (R/W)	: READ (READ/WRITE)
WR (LDS)	: WRITE (LOWER DATA STOROBE)

OUTPUT

INT (INT)	: INTERRUPT REQUEST
TMOUT	: TIME OUT

INPUT/OUTPUT

D0 - D15	: DATA0 - DATA15
LDP	: LOWER DATA PARITY
UDP	: UPPER DATA PARITY

DMA INTERFACE

INPUT

DACK	: DMA ACKNOWLEDGE
DMA0	: DMA ADDRESS 0
DMBHE (DMUDS)	: DMA BUS HIGH ENABLE (DMA UPPER DATA STOROBE)
IORD (DMR/W)	: I/O READ (DMA READ/WRITE)
IOWR(DMLDS)	: I/O WRITE (DMA LOWER DATA STOROBE)
TP	: TRANSFER PERMISSION

OUTPUT

DREQ	: DMA REQUEST

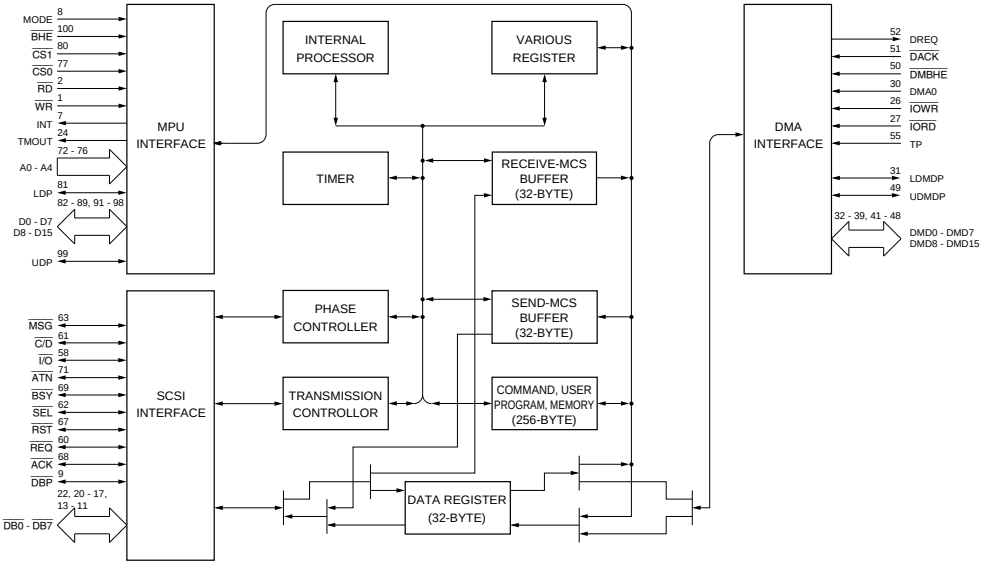
INPUT/OUTPUT

DMD0 - DMD15	: DMD DATA0 - DMD DATA15
LDMDP	: LOWER DMA DATA PARITY
UDMDP	: UPPER DMA DATA PARITY

INPUT

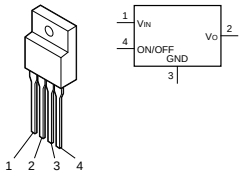
CLK	: CLOCK
RESET	: RESET
TEST1, 2	: TEST

( ) : WHEN "MODE" (8PIN) IS "L" LEVEL INPUT.



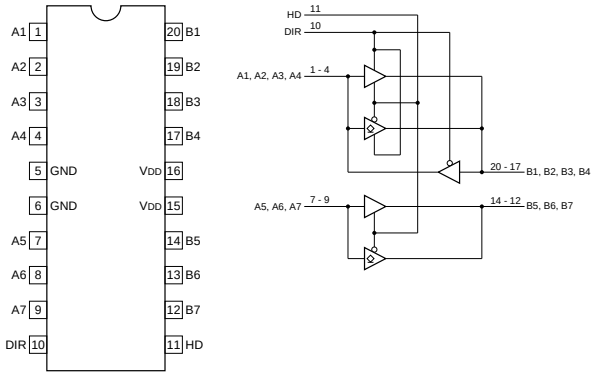
PQ3RF33 (SHARP)+3.5 V

POSITIVE VOLTAGE REGULATOR (1A)
—SIDE VIEW—



SN74ACT1284NS-E05 (TI)

C-MOS 7-BIT BUS INTERFACE 3-STATE OUTPUT
—TOP VIEW—

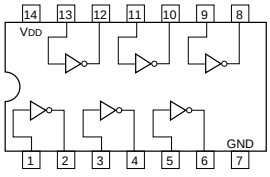


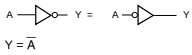
INPUTS		OUTPUT	MODE
DIR	HD		
0	1	OPEN DRAIN	A TO B: BITS 5, 6, 7
		TOTEM POLE	B TO A: BITS 1, 2, 3, 4
0	1	TOTEM POLE	B TO A: BITS 1, 2, 3, 4 AND A TO B: BITS 5, 6, 7
1	0	OPEN DRAIN	A TO B: BITS 1, 2, 3, 4, 5, 6, 7
1	1	TOTEM POLE	A TO B: BITS 1, 2, 3, 4, 5, 6, 7

0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74HC04ANS (TI)FLAT PACKAGE
SN74HC04ANS-E05

C-MOS HEX INVERTERS
—TOP VIEW—





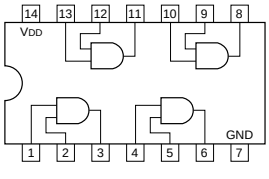
$Y = \overline{A}$

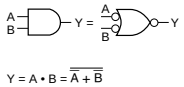
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

SN74HC08ANS (TI)FLAT PACKAGE
SN74HC08ANS-E05

C-MOS QUAD 2-INPUT AND GATES
—TOP VIEW—





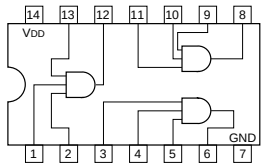
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

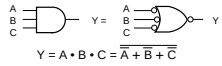
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

SN74HC11ANS (TI)FLAT PACKAGE

C-MOS 3-INPUT POSITIVE-AND GATE
—TOP VIEW—





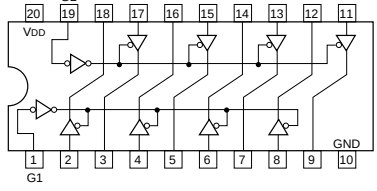
$Y = A \cdot B \cdot C = \overline{\overline{A} + \overline{B} + \overline{C}}$

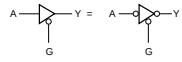
A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74HC244ANS (TI)FLAT PACKAGE
SN74HC244ANS-E05

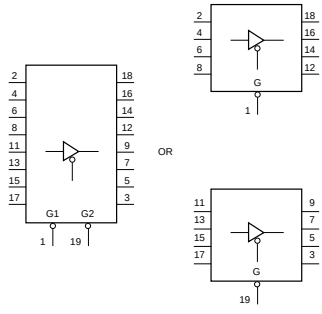
C-MOS BUS BUFFER WITH 3-STATE OUTPUTS
—TOP VIEW—





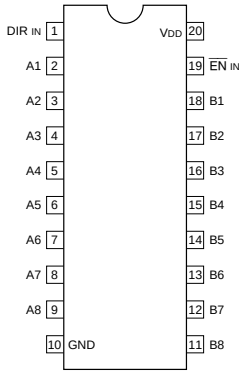
G	A	Y
0	0	0
0	1	1
1	×	HI-Z

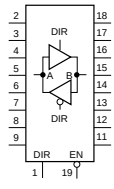
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE



SN74HC245ANS (TI)FLAT PACKAGE

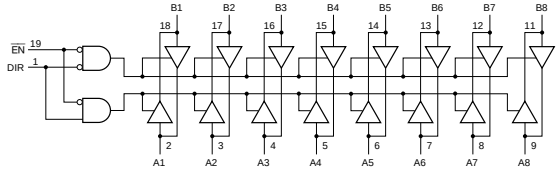
C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS
—TOP VIEW—





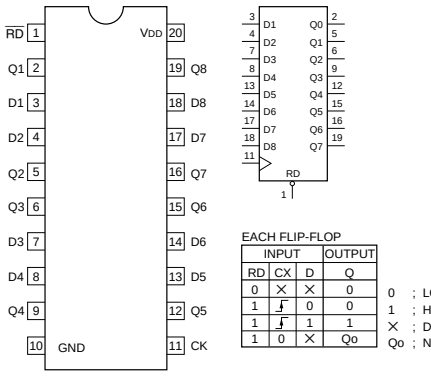
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE



SN74HC273ANS-E05 (TI)FLAT PACKAGE

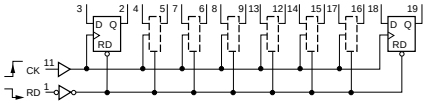
C-MOS OCTAL D-TYPE FLIP-FLOPS WITH RESET
—TOP VIEW—



EACH FLIP-FLOP

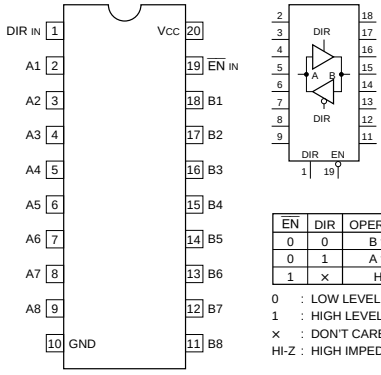
INPUT			OUTPUT
RD	CX	D	Q
0	×	×	0
1	↑	0	0
1	↑	1	1
1	0	×	Qo

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
Qo ; NO CHANGE



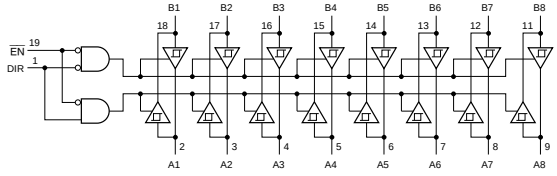
SN74LS245NS (TI)FLAT PACKAGE

TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS
WITH 3-STATE OUTPUTS
—TOP VIEW—



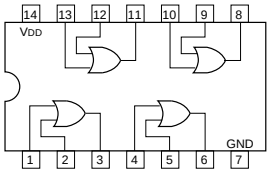
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	×	HI-Z

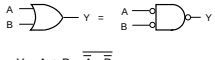
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE



SN74HC32ANS (TI)FLAT PACKAGE
SN74HC32ANS-E05

C-MOS QUAD 2-INPUT OR GATES
—TOP VIEW—





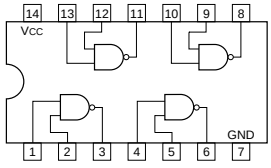
$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

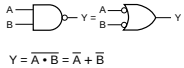
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

SN74LS00NS (TI)FLAT PACKAGE

TTL 2-INPUT POSITIVE-NAND GATE
—TOP VIEW—





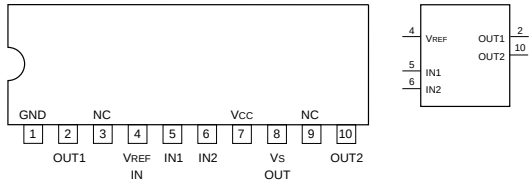
$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

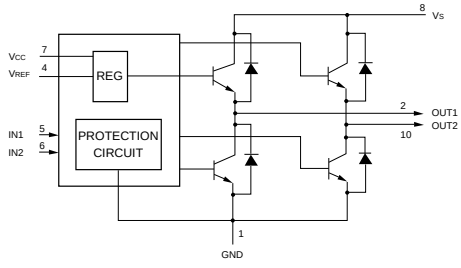
TA7291P (TOSHIBA)

DC MOTOR FULL BRIDGE DRIVER
—SIDE VIEW—



INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	HI-Z	HI-Z	STOP
1	0	1	0	CW/CCW
0	1	0	1	CCW/CW
1	1	0	0	BRAKE

0 : LOW LEVEL
1 : HIGH LEVEL
HI-Z : HIGH IMPEDANCE



http://getMANUAL.com

SECTION 7
SPARE PARTS

7-1. NOTES ON REPAIR PARTS

(1) Safety Related Components Warning
Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

(2) Standardization of Parts
Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to “accommodating the improved parts and/or engineering changes” or “standardization of genuine parts”.
This manual's exploded views and electrical spare parts list are indicating the part numbers of “the standardized genuine parts at present” .

(3) Stock of Parts
Parts marked with “o” SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with “o” will be processed, but allow for additional delivery time.

(4) Units for Capacitors, Inductors and Resistors
The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors : µF
Inductors : µH
Resistors : Ω

7−1. 補修部品注意事項

(1) 安全重要部品

⚠警告

⚠印のついた部品は安全性を維持するために重要な部品です。したがって，交換する時は必ず指定の部品を使ってください。

(2) 部品の共通化

ソニーから供給される部品は，セットに実装されているものと異なることがあります。これは部品の共通化，改良等によるものです。
分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の在庫

部品表のSP (Supply code) 欄に“o”で示される部品は交換頻度が低い部品ですので在庫していないことがあり，納期が長くなることがあります。

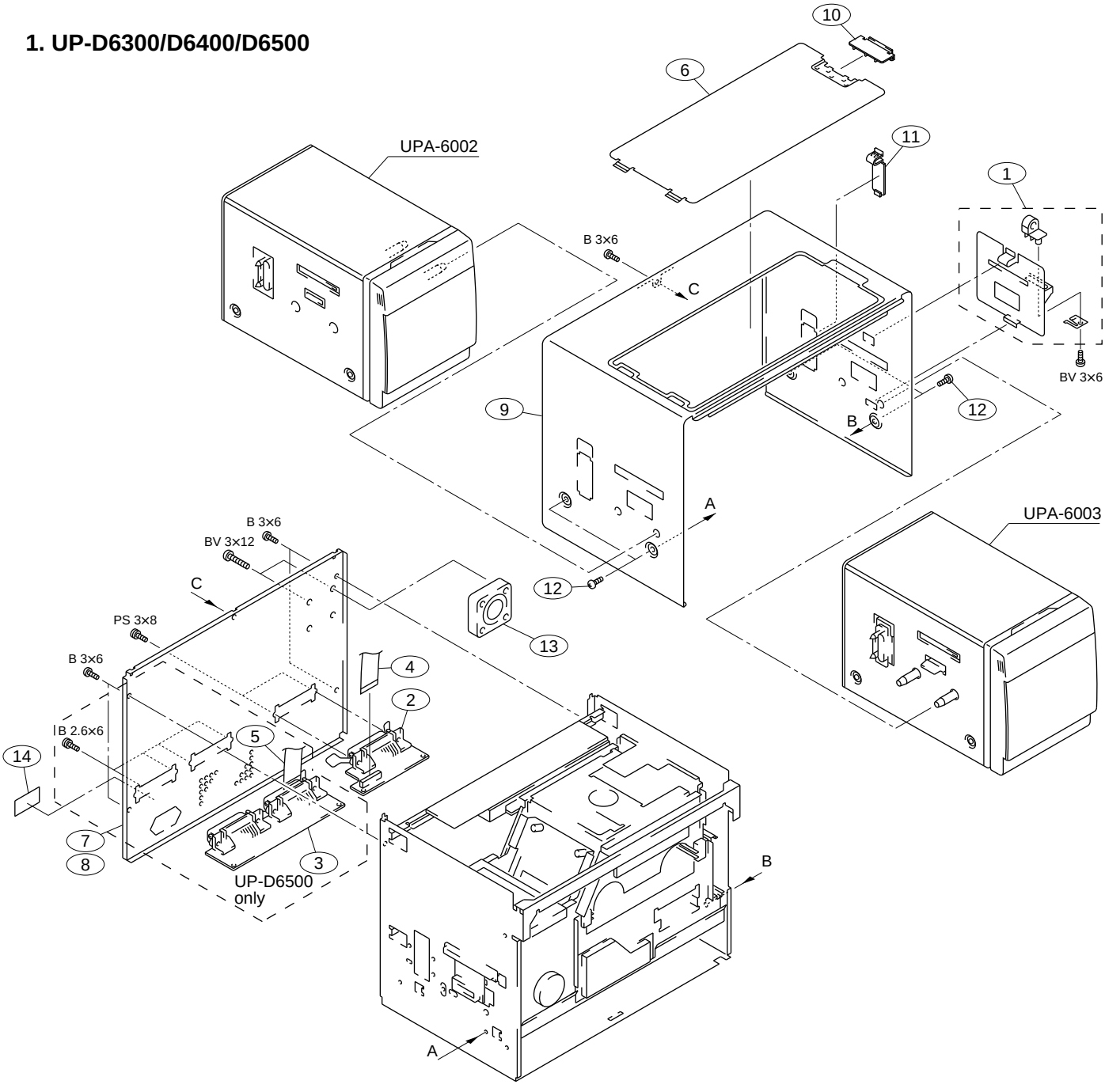
(4) コンデンサ，インダクタ，抵抗の単位

回路図，分解図，電気部品表中，特に明記したものを除き，下記の単位は省略されています。

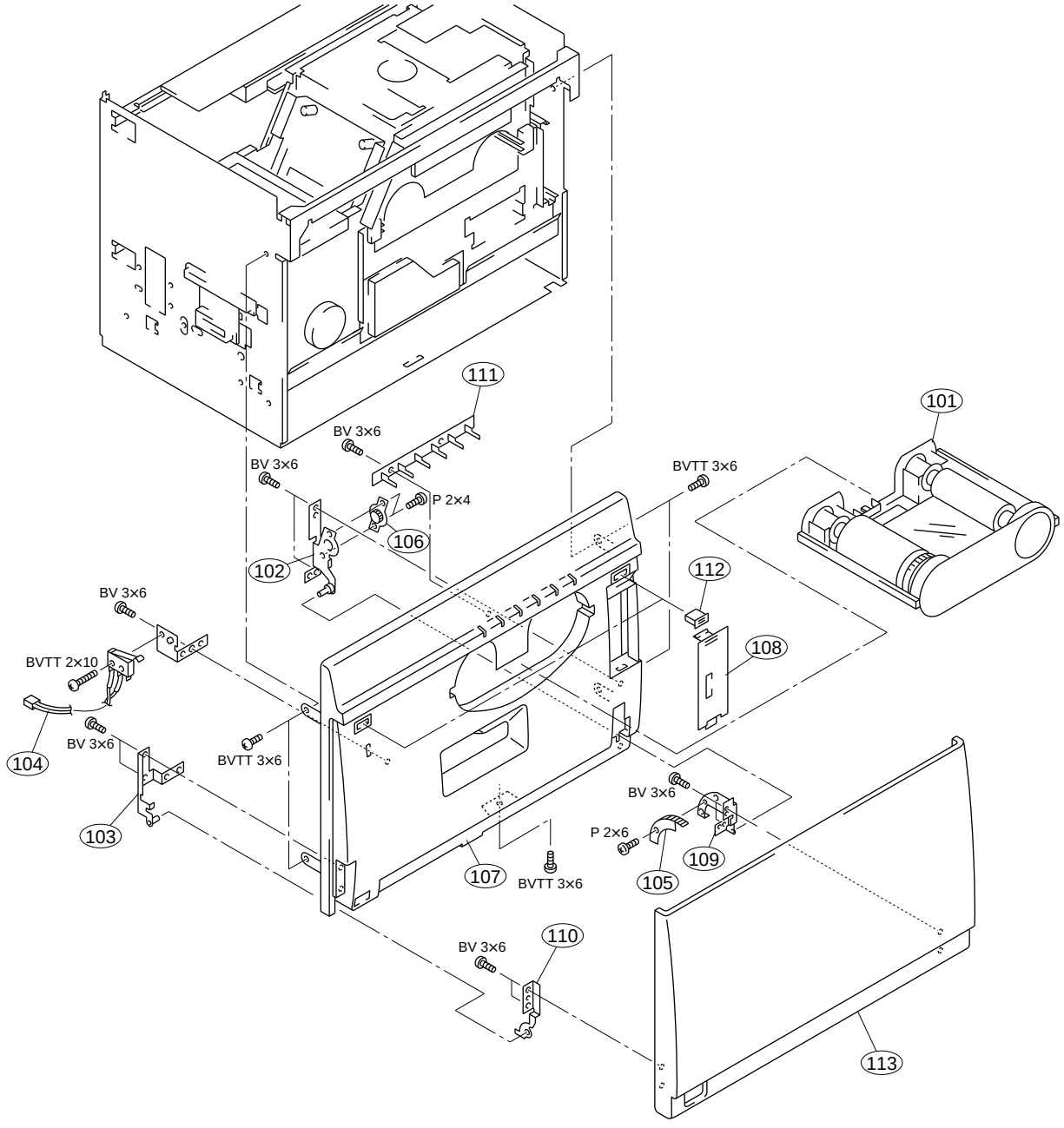
コンデンサ : µF
インダクタ : µH
抵抗 : Ω

7-2. EXPLODED VIEWS

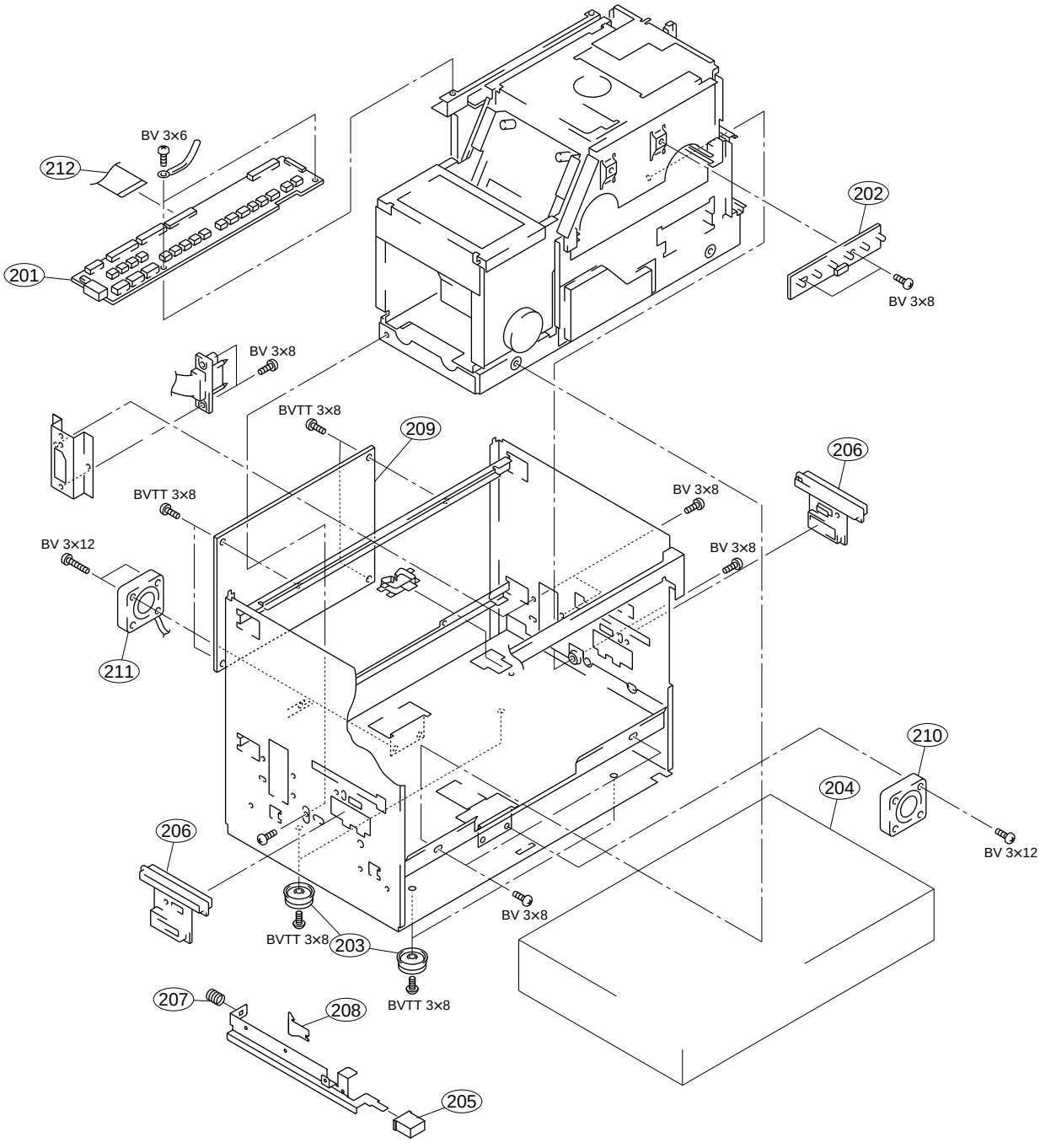
1. UP-D6300/D6400/D6500



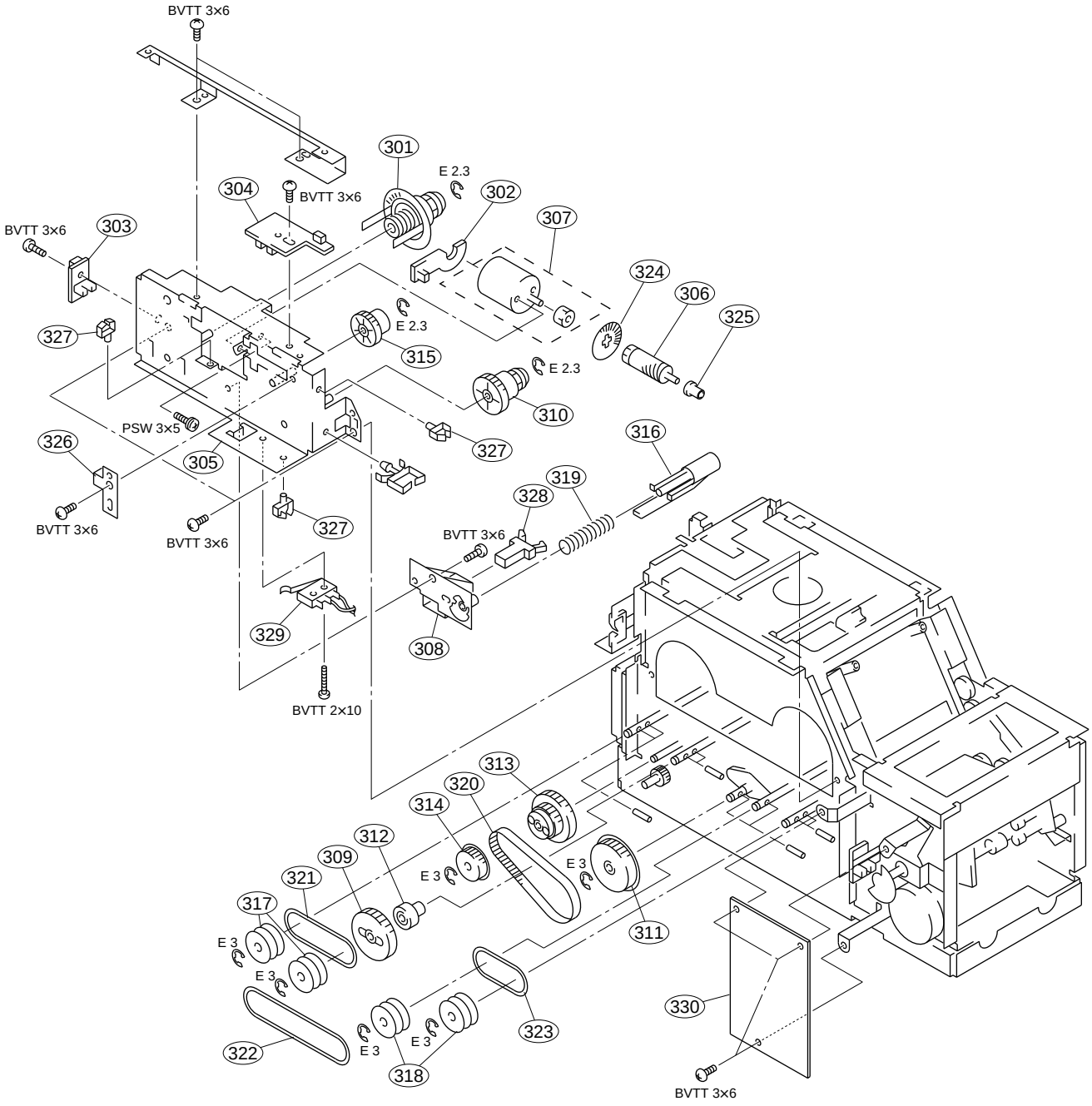
No.	Part No.	SP	Description
1	A-8320-322-A	s	COVER ASSY, ENTRANCE GUIDE
2	A-8321-145-A	o	MOUNTED CIRCUIT BOARD, PIF-32
3	A-8321-147-A	o	MOUNTED CIRCUIT BOARD, SCS-26 (D6500)
4	Pending	s	FFC (FOR 1284)
5	Pending	s	FFC (FOR SCSI) (D6500)
6	3-200-900-01	o	LID, TOP COVER
7	3-200-902-01	o	PANEL (SCSI), REAR (D6500)
8	3-201-096-01	o	PANEL (SCSI), REAR (D6400, D6300)
9	3-200-907-01	o	COVER, TOP
10	3-200-935-01	s	KNOB, TOP COVER
11	3-201-014-01	o	COVER, CONNECTOR
12	4-886-821-11	s	SCREW, M3 CASE
13	1-763-327-11	s	FAN, DC
14	3-179-847-01	o	LABEL (NORTHERN EUROPE), CAUTION (UC,CE)



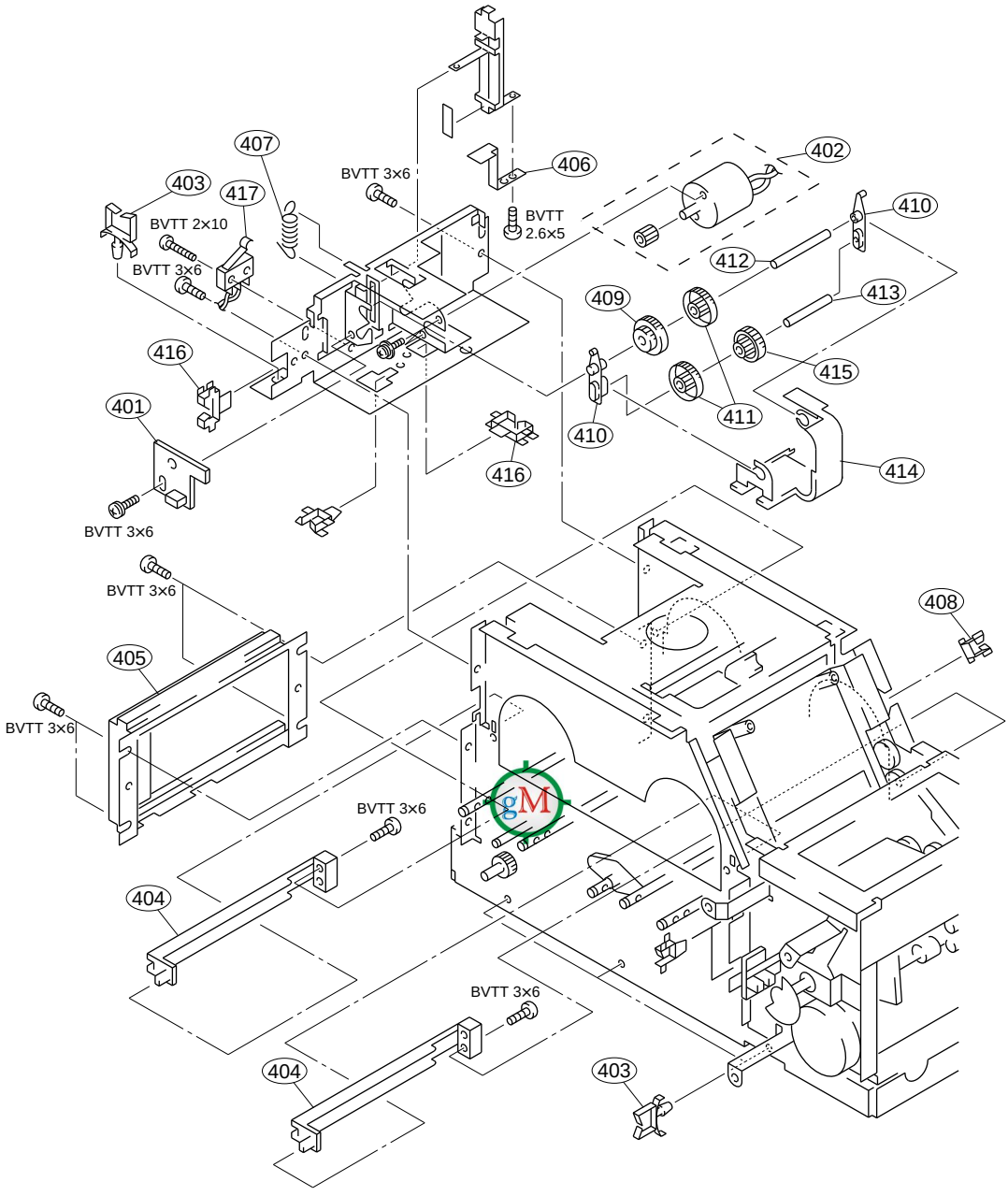
No.	Part No.	SP	Description
101	A-8265-845-A	s	CASSETTE ASSY, RIBBON
102	X-3168-094-1	o	HINGE (RIGHT) ASSY, PANEL
103	X-3168-096-1	o	HINGE (LEFT) ASSY, PANEL
104	⚠ 1-959-579-11	s	HARNESS, FRONT COVER (SW)
105	3-187-210-01	s	RACK, DAMPER
106	3-187-215-02	s	DAMPER, ROTARY
107	3-200-910-01	o	PANEL, MAIN
108	3-200-936-01	s	COVER, CLEANING ROLLER
109	3-200-942-01	o	HINGE (RIGHT), DOOR
110	3-200-943-01	o	HINGE (LEFT), DOOR
111	3-201-015-01	o	LENS
112	3-201-088-01	o	CATCHER
113	X-3168-151-1	s	FRONT DOOR ASSY (D6500)
	X-3168-152-1	s	FRONT DOOR ASSY (D6400)
	X-3168-153-1	s	FRONT DOOR ASSY (D6300)



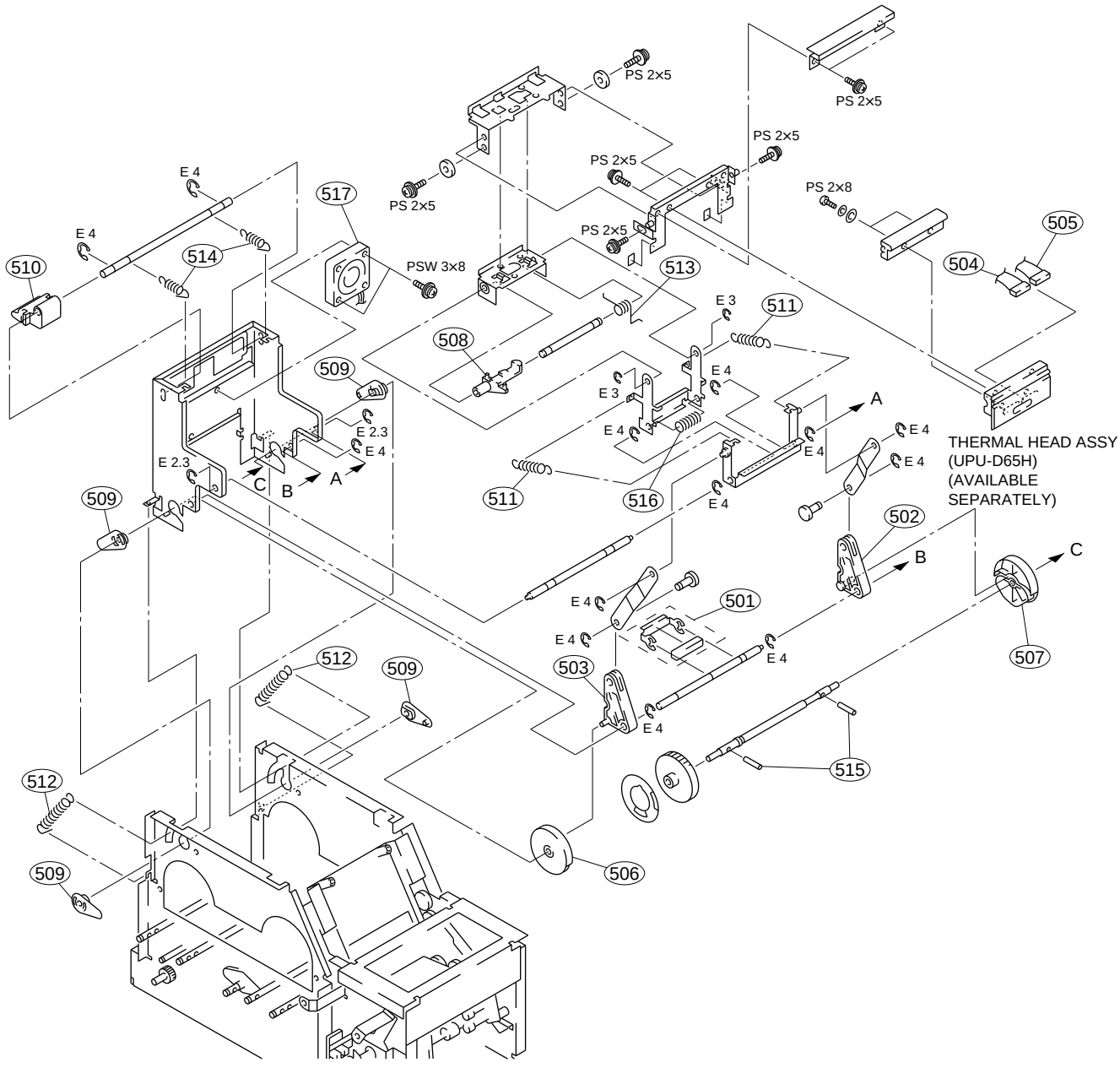
No.	Part No.	SP	Description
201	A-8321-159-A	o	MOUNTED CIRCUIT BOARD, CN-1663 (D6500/D6400)
	A-8321-189-A	o	MOUNTED CIRCUIT BOARD, CN-1663 (D6300)
202	1-670-545-11	o	PRINTED WIRING BOARD, LE-204
203	X-3556-910-1	s	FOOT ASSY, MF
204	⚠ 1-468-350-11	s	SWITCHING REGULATOR
205	2-431-568-51	s	BUTTON, POWER
206	3-200-931-01	s	GUIDE, ENTRANCE
207	3-201-023-01	o	SPRING, BUTTON
208	3-202-084-01	s	STOPPER,ROD
209	A-8321-143-A	o	MOUNTED CIRCUIT BOARD, PRT-12 (D6500)
	A-8321-183-A	o	MOUNTED CIRCUIT BOARD, PRT-12 (D6400)
	A-8321-187-A	o	MOUNTED CIRCUIT BOARD, PRT-12 (D6300)
210	1-763-326-11	s	FAN, DC
211	1-763-325-11	s	FAN, DC
212	Pending	s	FFC



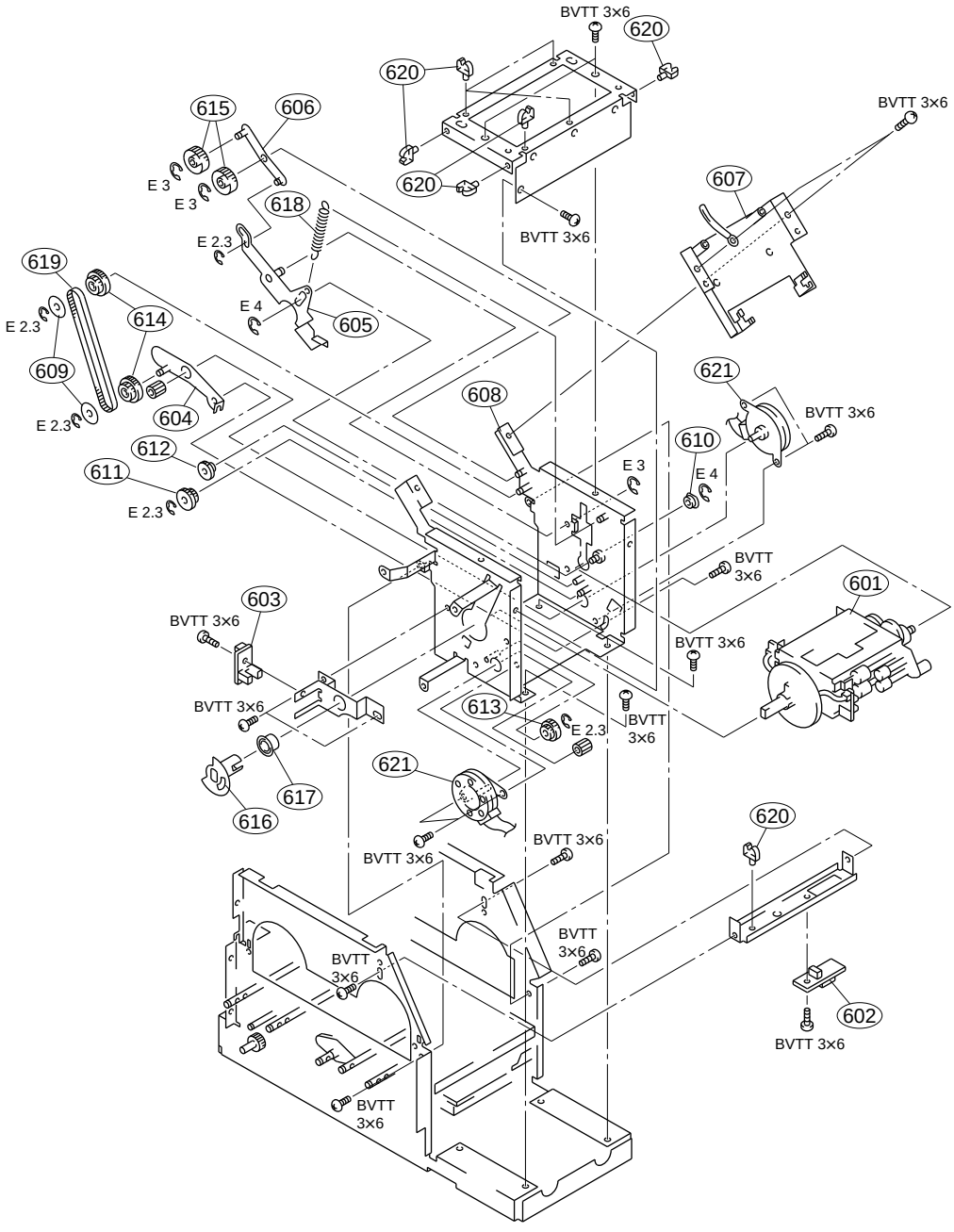
No.	Part No.	SP	Description
301	A-8320-315-A	s	LIMITER ASSY, TORQUE
302	1-670-546-11	o	PRINTED WIRING BOARD, SU-45
303	1-670-548-11	o	PRINTED WIRING BOARD, SE-469
304	1-670-551-11	o	PRINTED WIRING BOARD, SE-472
305	X-3168-112-1	o	BRACKET ASSY, RIBBON MOTOR
306	X-3737-811-1	s	WORM BLOCK ASSY
307	⚠ X-3678-206-1	s	DC MOTOR (MB) ASSY
308	3-200-933-01	o	PLATE, RIBBON
309	3-200-986-01	s	GEAR (A), CONVEYANCE ROLLER
310	3-200-989-01	s	GEAR, RIBBON TAKE-UP
311	3-200-997-01	s	PULLEY (A), PLATEN DRIVING
312	3-200-998-01	s	ROLLER (A), IDLER
313	3-200-999-01	s	PULLEY, DRIVING GEAR
314	3-201-000-01	s	GEAR (B), DRIVING
315	3-201-002-01	s	GEAR (WORM WHEEL)
316	3-201-010-01	s	PLATE, RIBBON PUSH
317	3-201-021-01	s	PULLEY (1), CONVEYANCE
318	3-201-022-01	s	PULLEY (2), CONVEYANCE
319	3-201-027-01	s	SPRING, RIBBON PUSH-OUT
320	3-201-062-01	s	BELT, SYNCHRO
321	3-201-063-01	s	O RING (G45)
322	3-201-064-01	s	O RING (G65)
323	3-201-065-01	s	O RING (G35)
324	3-737-877-01	s	ENCODER
325	3-737-880-01	s	CAP, WORM SHAFT
326	3-737-886-01	s	TABLE, WORM
327	3-972-239-01	s	CLAMP, MINIATURE
328	4-392-036-01	s	CATCHER, PUSH
329	⚠ 1-959-580-11	s	HARNESS, SENSOR (6)
330	A-8321-163-A	o	MOUNTED CIRCUIT BOARD, DUS-170 (D6500/D6400 (J))
	A-8321-165-A	o	MOUNTED CIRCUIT BOARD, DUS-170 (D6500/D6400 (UC/CE))



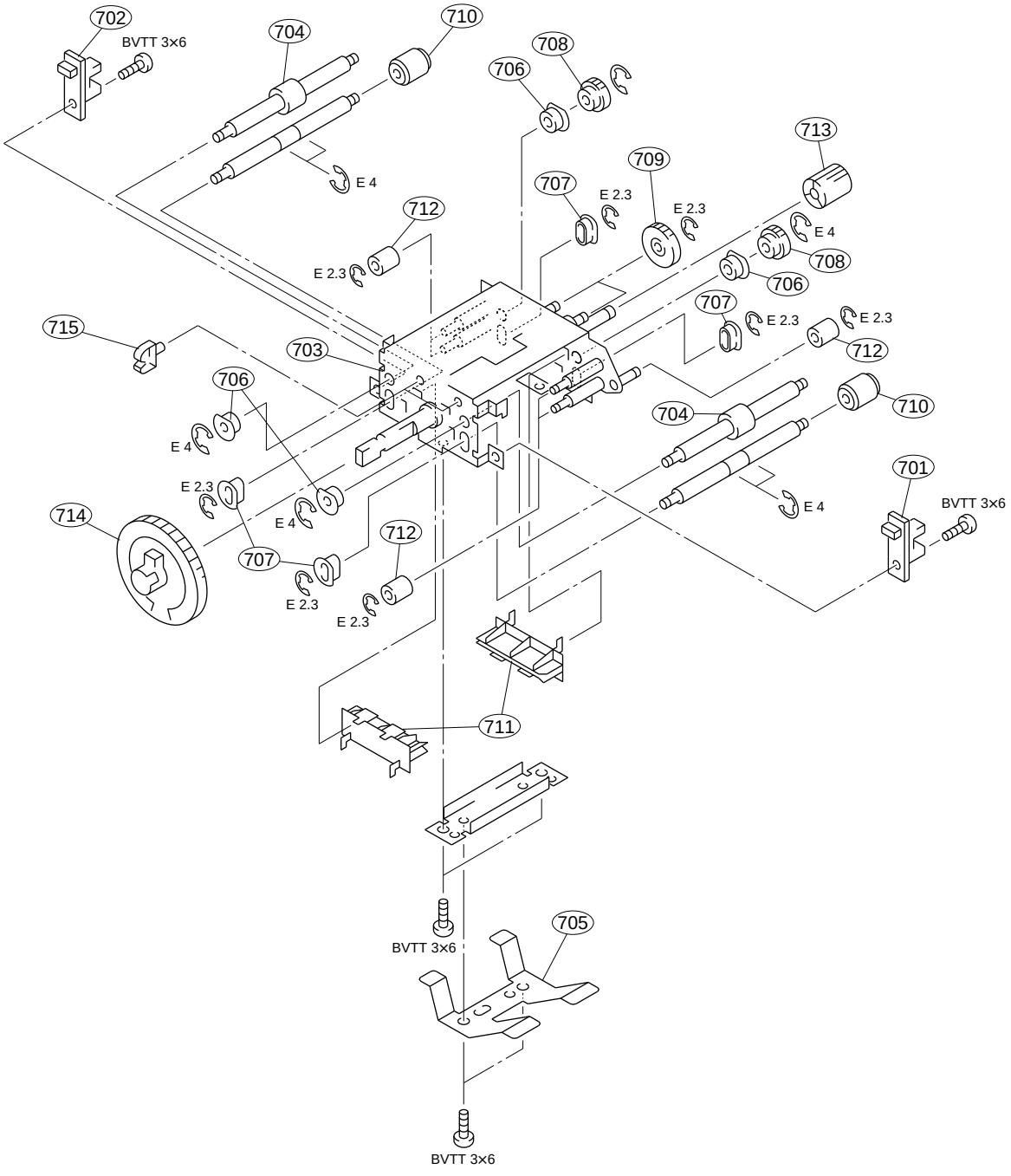
No.	Part No.	SP	Description
401	1-670-558-11	o	PRINTED WIRING BOARD, SE-468
402	⚠ X-3942-122-1	s	MOTOR ASSY, HEAD DRIVE
403	3-188-624-01	o	CLAMP, MINIATURE
404	3-200-932-01	o	GUIDE, RIBBON
405	3-200-934-01	o	RETAINER, CL
406	3-200-970-01	o	SPRING, PLATE
407	3-201-028-01	s	SPRING, HEAD RETURN
408	3-383-699-01	s	CLAMP (EDGE)
409	3-950-015-01	s	GEAR (B), HEAD DRIVE
410	3-950-017-01	o	HOLDER, HEAD DRIVE GEAR
411	3-950-019-01	s	GEAR (A), HEAD DRIVE
412	3-950-020-01	o	SHAFT, HEAD DRIVE GEAR
413	3-950-214-01	o	SHAFT (S), HEAD DRIVE GEAR
414	3-952-505-01	o	GUARD, HEAD GEAR
415	3-956-727-01	s	GEAR (E), HEAD DRIVE
416	3-646-071-02	o	HOLDER, WIRE
417	1-959-588-11	o	HARNESS, SENSOR (2)



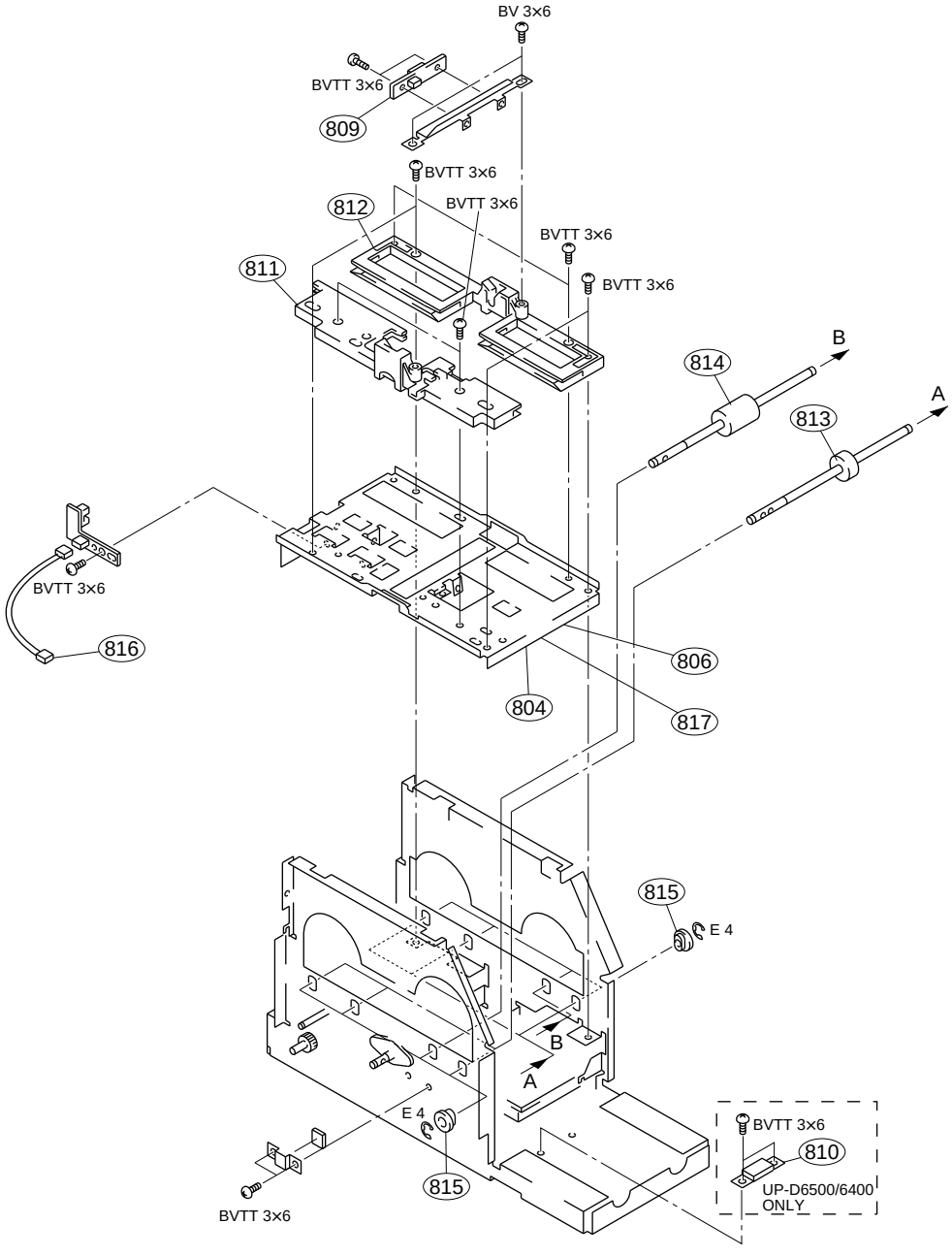
No.	Part No.	SP	Description
501	X-3168-104-1	o	PLATE ASSY, HARNESS RETAINER
502	X-3168-106-1	s	LINK (4) SUB ASSY (1), HEAD
503	X-3168-107-1	s	LINK (4) SUB ASSY (2), HEAD
504	1-959-569-11	o	HARNESS, HEAD (1)
505	1-959-570-11	o	HARNESS, HEAD (2)
506	3-200-929-01	s	CAM, HEAD
507	3-200-961-01	o	CAM, HEAD POSITION
508	3-201-007-01	o	PLATE, HEAD POSITIONING
509	3-201-008-01	s	BEARING H
510	3-201-016-01	o	KNOB, HEAD (O/C) PLATE
511	3-201-026-01	s	SPRING, HEAD PRESS
512	3-201-029-01	s	SPRING, DAMPER
513	3-201-031-01	o	SPRING (HEAD 1), TORSION
514	3-201-033-01	s	SPRING, HEAD (O/C)
515	3-703-357-55	s	PIN, PARALLEL (DIA. 1.6X10)
516	3-201-032-01	o	SPRING, HEAD ASIDE
517	1-763-324-11	s	FAN, DC



No.	Part No.	SP	Description
601	A-8320-310-A	o	FRAME ASSY, ROTARY
602	1-670-549-11	o	PRINTED WIRING BOARD, SE-470
603	1-670-542-11	o	PRINTED WIRING BOARD, SE-475
604	X-3168-108-1	o	BRACKET (4) ASSY
605	X-3168-109-1	o	LEVER (3) ASSY
606	X-3168-110-1	o	LEVER (2) ASSY
607	X-3168-114-1	o	BRACKET (5) ASSY
608	X-3168-115-1	o	FRAME (1) ASSY
609	3-200-956-01	o	WASHER
610	3-200-976-01	s	BEARING (1)
611	3-200-978-01	s	GEAR (1)
612	3-200-979-01	s	GEAR (2)
613	3-200-990-01	s	GEAR (Z:14/28)
614	3-200-993-01	s	PULLEY (1)
615	3-200-994-01	s	GEAR (9)
616	3-201-005-01	s	SENSOR FLAG
617	3-201-068-01	s	BEARING (LF-1280ZZ)
618	3-201-074-01	s	SPRING (4 (1.3))
619	3-201-077-01	s	BELT (140TN15-3.0W)
620	3-972-239-01	s	CLAMP, MINIATURE
621	1-763-323-11	s	MOTOR, STEPPING (PM TYPE)



No.	Part No.	SP	Description
701	1-670-543-11	o	PRINTED WIRING BOARD, SE-476
702	1-670-544-11	o	PRINTED WIRING BOARD, SE-477
703	X-3168-113-1	o	FRAME (4) ASSY
704	3-200-941-01	s	ROLLER (1)
705	3-200-966-01	s	SPRING (P)
706	3-200-976-01	s	BEARING (1)
707	3-200-977-01	s	BEARING (B)
708	3-200-981-01	s	GEAR (4)
709	3-200-982-01	s	GEAR 5
710	3-200-992-01	s	ROLLER (2)
711	3-201-004-01	s	GUIDE (1)
712	3-201-011-01	s	ROLLER
713	3-200-980-01	s	GEAR (3)
714	3-200-983-01	s	GEAR (6)
715	3-972-239-01	s	CLAMP, MINIATURE



No.	Part No.	SP	Description
804	A-8321-971-A	s	BASE SUB ASSY, CONVEYANCE (ISO) (D6500, D6400 (UC/CE))
	A-8321-972-A	s	BASE SUB ASSY, CONVEYANCE (JIS) (D6500, D6400 (J))
	A-8321-973-A	s	BASE SUB ASSY, CONVEYANCE (DUMMY) (D6300)
806	1-670-537-11	o	PRINTED WIRING BOARD, SU-47 (INCLUDED IN 804.)
807	1-670-555-11	o	PRINTED WIRING BOARD, SE-465
809	1-670-550-11	o	PRINTED WIRING BOARD, SE-471
810	X-3168-103-1	o	RETAINER ASSY, FPC (D6500, D6400)
811	3-200-903-01	s	GUIDE (BACK), CARD
812	3-200-904-01	s	GUIDE (FRONT), CARD
813	3-200-915-01	s	ROLLER (A), CONVEYANCE
814	3-200-916-01	s	ROLLER (C), CONVEYANCE
815	3-200-987-01	s	RETAINER, SHAFT
816	1-959-588-11	o	HARNESS, SENSOR (2)
817	1-670-553-11	o	PRINTED WIRING BOARD, SE-474 (INCLUDED IN 804.)

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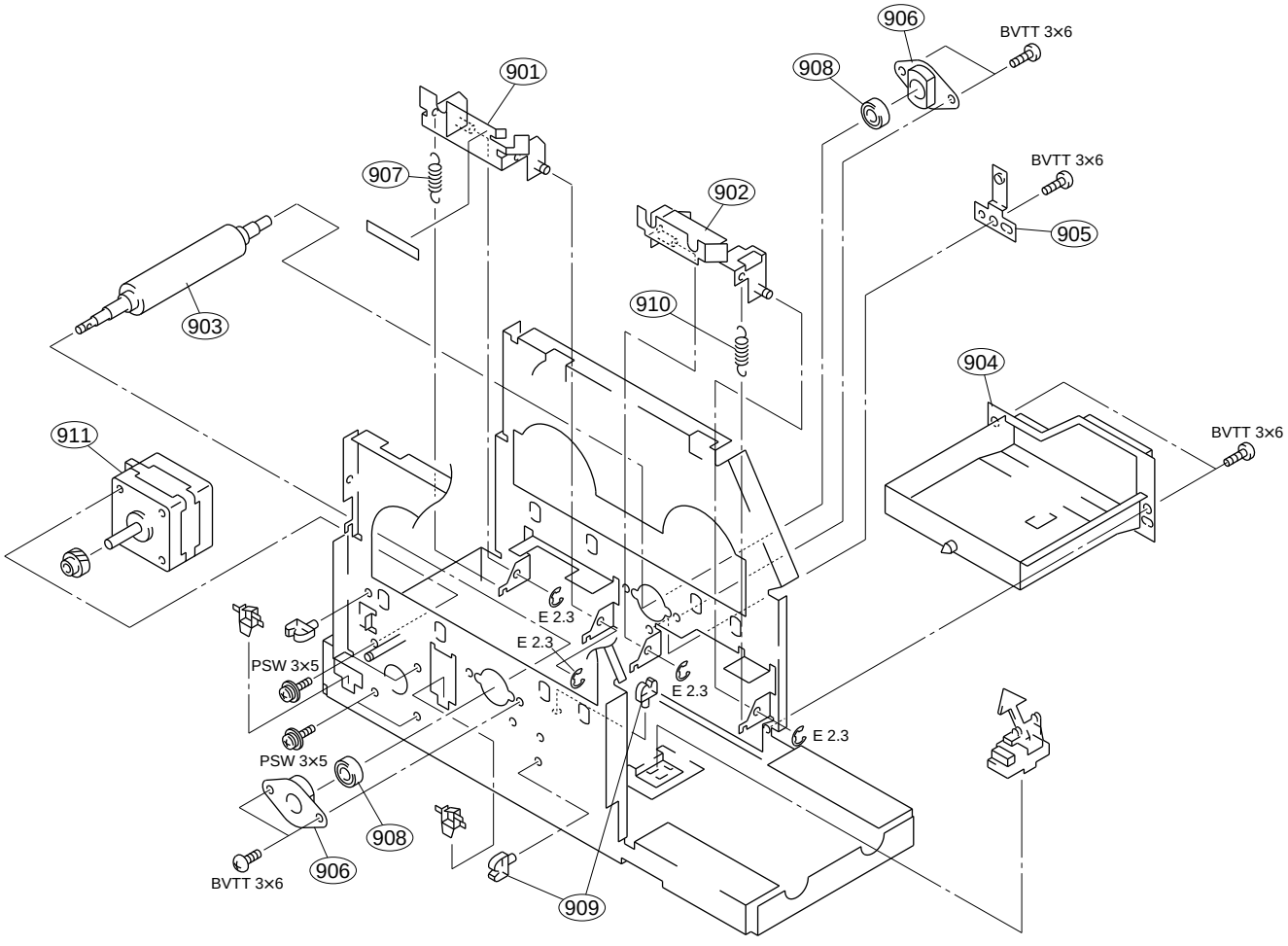
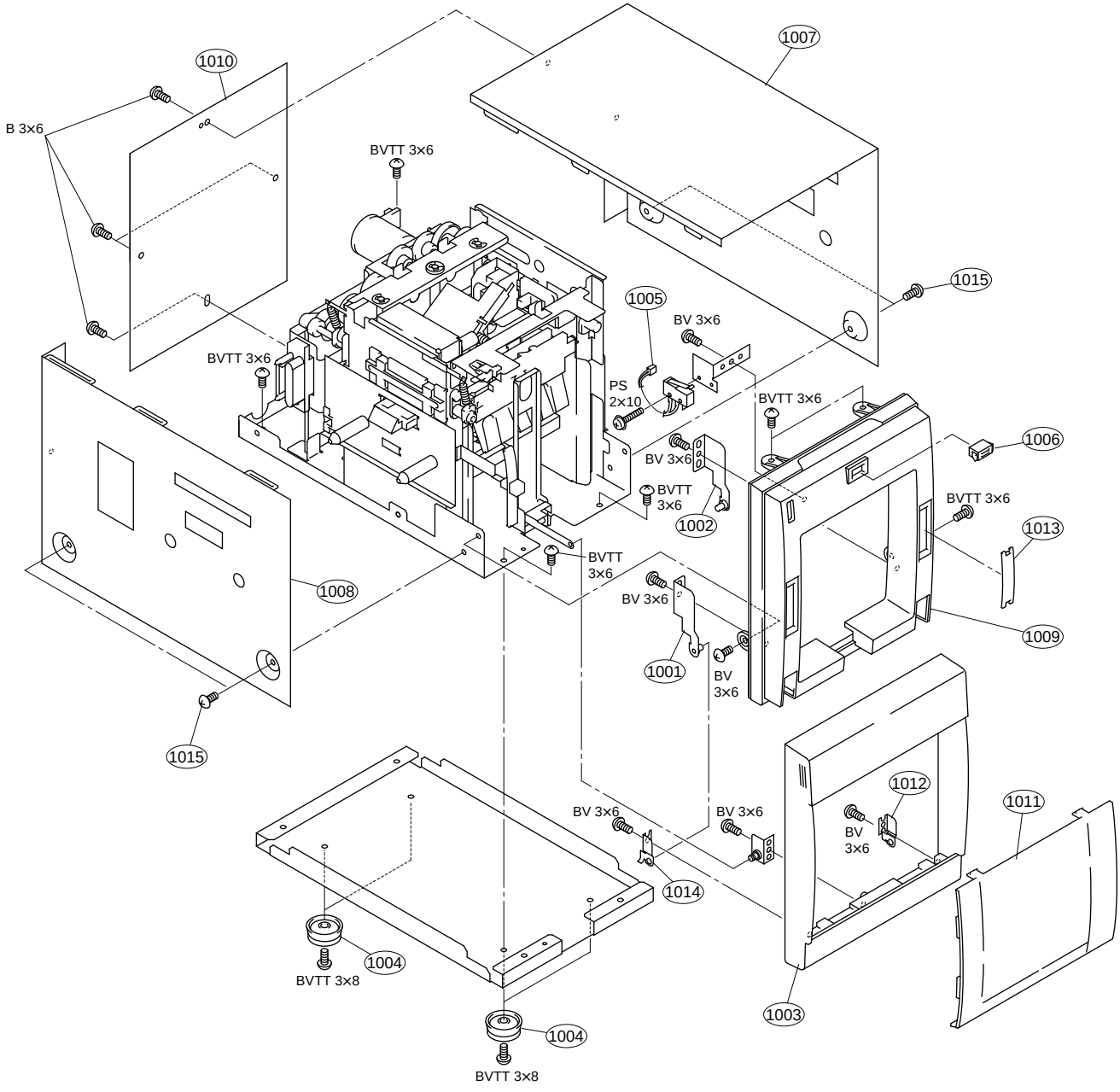
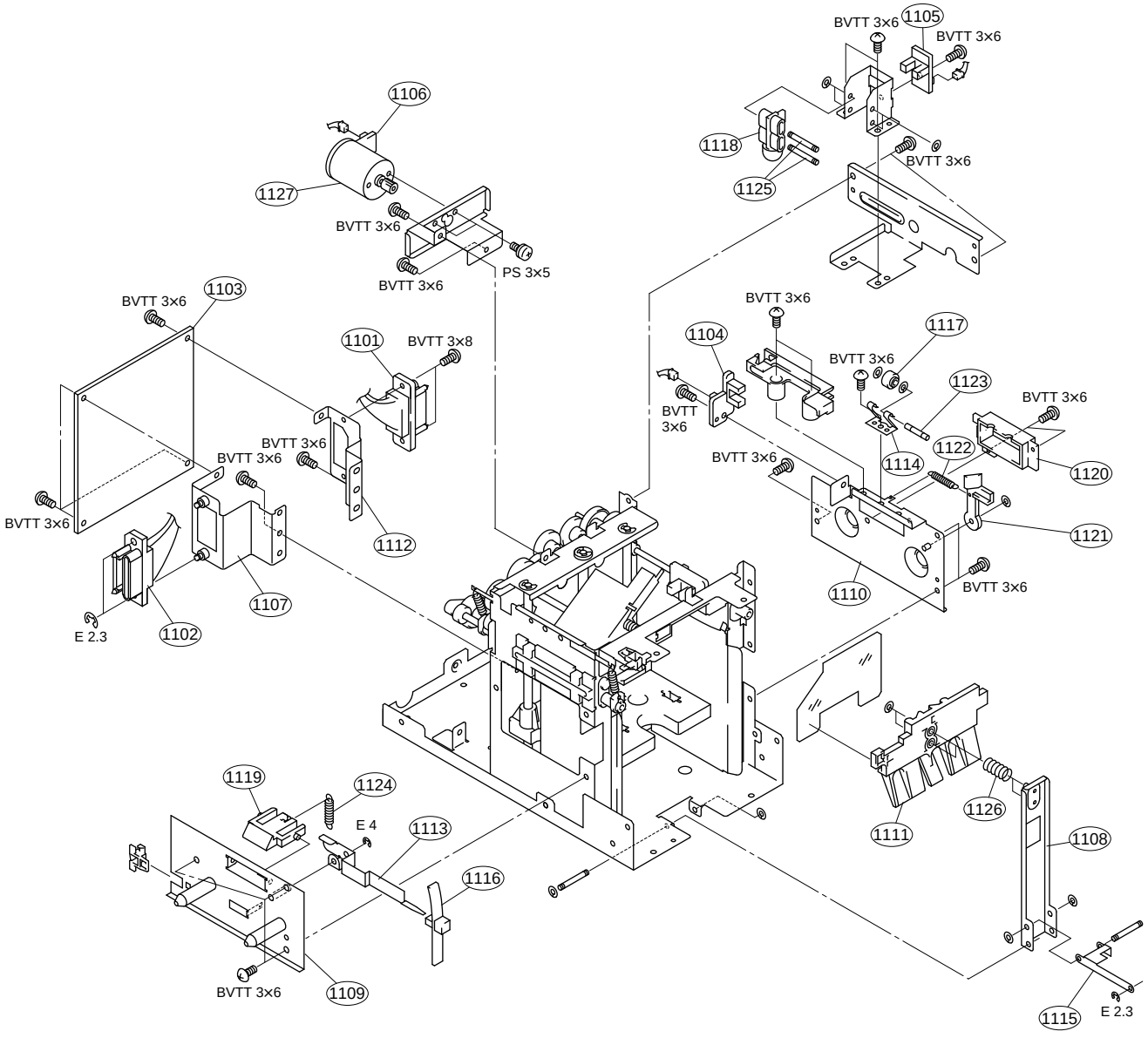


No.	Part No.	SP	Description
901	X-3168-093-1	o	RETAINER ASSY (1), CARD
902	X-3168-102-1	o	RETAINER ASSY (2), CARD
903	3-200-914-01	s	PLATEN
904	3-200-927-01	o	STACKER, EJECT
905	3-200-962-01	s	SPRING, PLATEN ASIDE
906	3-201-006-01	s	HOLDER, BEARING
907	3-201-030-01	s	SPRING, CARD ASIDE
908	3-201-092-01	s	BEARING (L-1260ZZ)
909	3-188-624-01	o	CLAMP, MINIATURE
910	3-202-083-01		SPRING (2), CARD ASIDE
911	1-763-322-11	s	MOTOR, STEPPING (HYBRID TYPE)

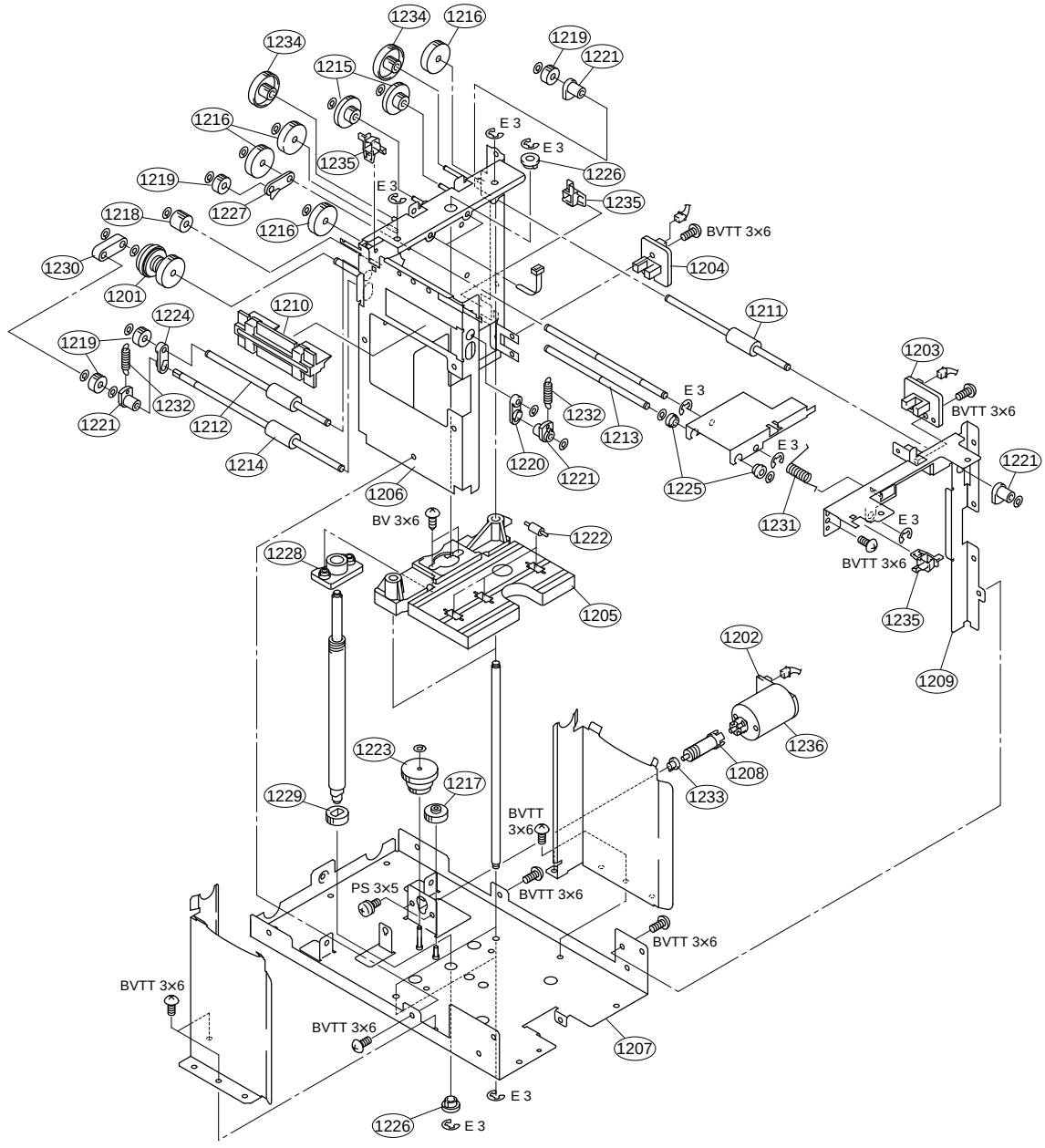
2. UPA-6003



No.	Part No.	SP	Description
1001	X-3168-120-1	o	HINGE (LEFT) ASSY, PANEL
1002	X-3168-121-1	o	HINGE (RIGHT) ASSY, PANEL
1003	X-3168-127-1	o	DOOR (A) ASSY, FRONT
1004	X-3556-910-1	s	FOOT ASSY, MF
1005	1-959-582-11	s	HARNESS, SW
1006	3-201-088-01	o	CATCHER
1007	3-201-143-01	o	COVER (1)
1008	3-201-144-01	o	COVER (2)
1009	3-201-150-01	s	PANEL, INNER
1010	3-201-152-01	o	COVER (3)
1011	3-201-157-01	s	DOOR (B), FRONT
1012	3-201-165-01	o	HINGE (RIGHT) (B), PANEL
1013	3-201-186-01	o	LID
1014	3-201-232-01	o	HINGE (LEFT) (B), PANEL
1015	4-886-821-11	s	SCREW, M3 CASE

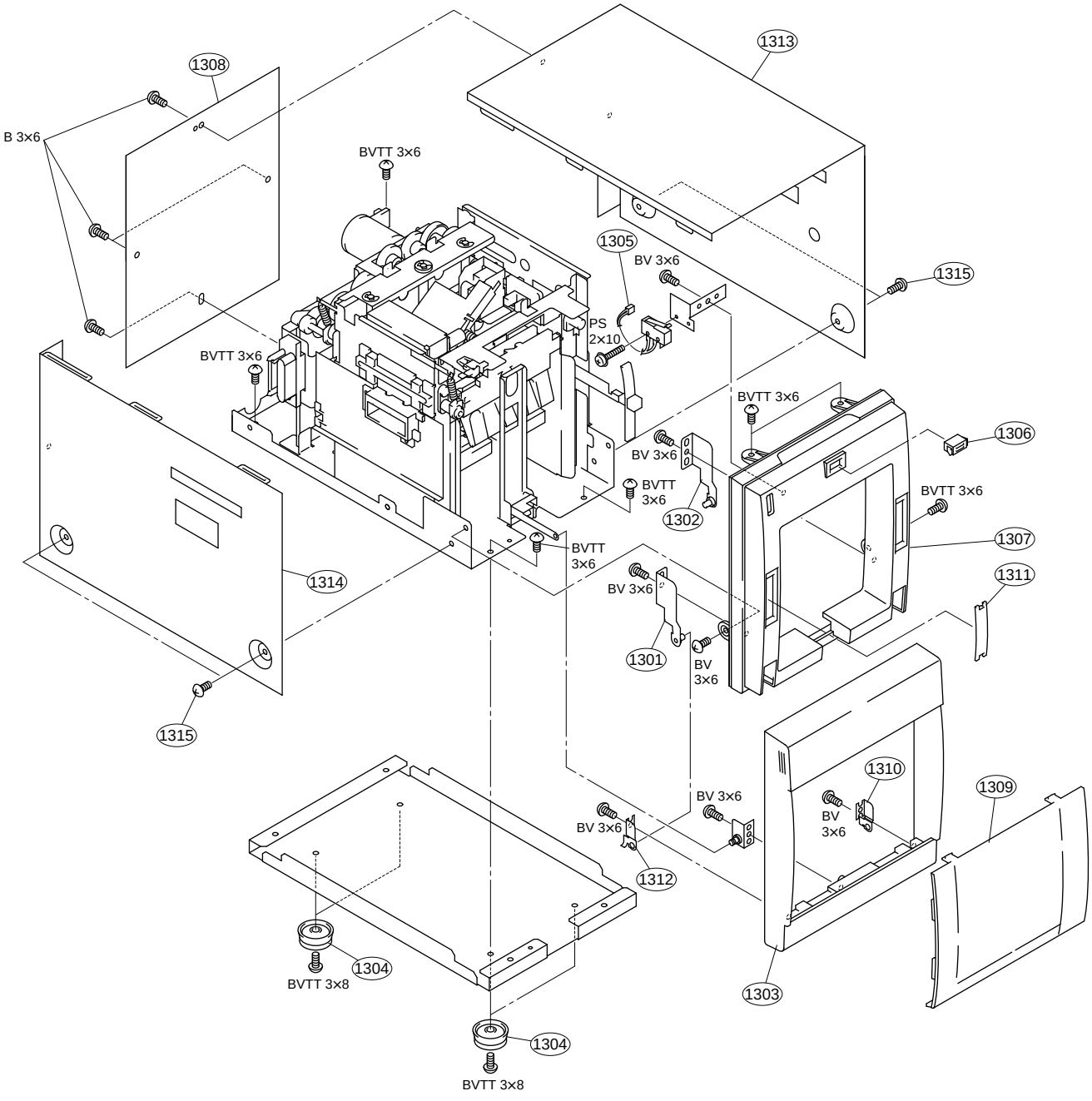


No.	Part No.	SP	Description
1101	A-8320-427-A	s	CONNECTOR ASSY (1)
1102	A-8320-428-A	s	CONNECTOR ASSY (2)
1103	A-8321-194-A	o	PRINTED WIRING BOARD, DUS-169
1104	1-670-540-11	o	PRINTED WIRING BOARD, SE-493
1105	1-670-535-11	o	PRINTED WIRING BOARD, SE-496
1106	1-670-562-11	o	PRINTED WIRING BOARD, SU-44
1107	X-3168-117-1	o	BRACKET (CN) (2) SUB ASSY
1108	X-3168-118-1	o	RETAINER ASSY, CARD
1109	X-3168-123-1	o	BRACKET (L (F)) SUB ASSY
1110	X-3168-125-1	o	BRACKET (R (F)) SUB ASSY
1111	3-201-160-01	s	RETAINER, CARD
1112	3-201-161-01	o	BRACKET (CN) (1)
1113	3-201-164-01	o	LEVER (UNLOCK)
1114	3-201-169-01	o	BRACKET (ROLLER)
1115	3-201-171-01	o	LINK, CARD RETAINER
1116	3-201-185-01	o	EJECT KEY
1117	3-201-188-01	s	ROLLER
1118	3-201-189-01	s	FLAG, SENSOR
1119	3-201-190-01	o	LEVER (LOCK)
1120	3-201-194-01	o	BRACKET (LOCK)
1121	3-201-200-01	s	PLATE, ASIDE
1122	3-201-205-01	s	SPRING (ASIDE), TENSION COIL
1123	3-201-208-01	o	SHAFT (ROLLER)
1124	3-201-212-01	s	SPRING (JOINT LOCK)
1125	3-201-217-01	o	SHAFT (SENSOR)
1126	3-201-225-01	s	SPRING, CARD RETAINER
1127	⚠ X-3942-122-1	s	MOTOR ASSY, HEAD DRIVE

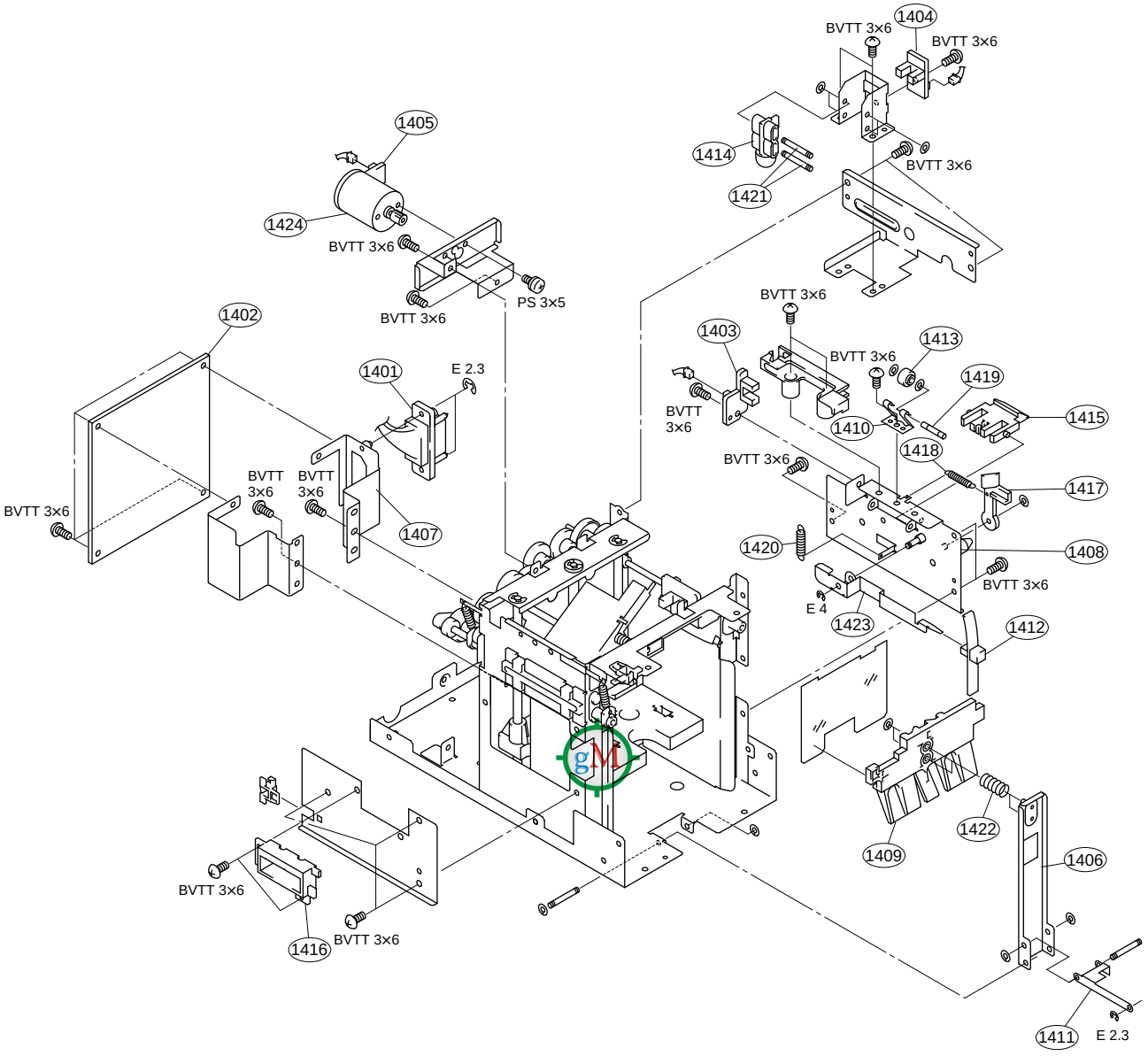


No.	Part No.	SP	Description
1201	A-8320-496-A	s	LIMITER ASSY
1202	1-670-536-11	o	PRINTED WIRING BOARD, SU-43
1203	1-670-534-11	o	PRINTED WIRING BOARD, SE-495
1204	1-670-541-11	o	PRINTED WIRING BOARD, SE-494
1205	X-3168-119-1	o	TABLE SUB ASSY
1206	X-3168-124-1	o	FRAME (1) SUB ASSY
1207	X-3168-126-1	o	BASE SUB ASSY
1208	X-3737-811-1	s	WORM BLOCK ASSY
1209	3-201-145-01	s	FRAME (2)
1210	3-201-159-01	s	GUIDE (EX)
1211	3-201-174-01	s	ROLLER (E)
1212	3-201-175-01	s	ROLLER (F)
1213	3-201-176-01	s	ROLLER (P)
1214	3-201-177-01	s	ROLLER (R)
1215	3-201-178-01	s	GEAR (48/16)
1216	3-201-179-01	s	GEAR (38)
1217	3-201-180-01	s	GEAR (Z:25) (T)
1218	3-201-181-01	s	GEAR (18)
1219	3-201-182-01	s	GEAR (Z:20) (D)
1220	3-201-184-01	s	BEARING (SEPARATION)
1221	3-201-187-01	s	BEARING R
1222	3-201-192-01	s	ROLLER (TABLE)
1223	3-201-193-01	s	GEAR (Z:25/35) (T)
1224	3-201-195-01	s	KEEPER (15.05), BEARING SPACE
1225	3-201-196-01	s	BEARING (PICK)
1226	3-201-197-01	s	BEARING (SCREW)
1227	3-201-198-01	s	KEEPER (14.55), BEARING SPACE
1228	3-201-201-01	s	NUT
1229	3-201-203-01	s	GEAR (25:SCREW)
1230	3-201-204-01	s	SUPPORT
1231	3-201-207-01	s	SPRING (PICK), TORSION
1232	3-201-212-01	s	SPRING (JOINT LOCK)
1233	3-737-880-01	s	CAP, WORM SHAFT
1234	3-950-019-01	s	GEAR (A), HEAD DRIVE
1235	3-972-239-01	s	CLAMP, MINIATURE
1236	⚠ X-3678-206-1	s	DC MOTOR (MB) ASSY

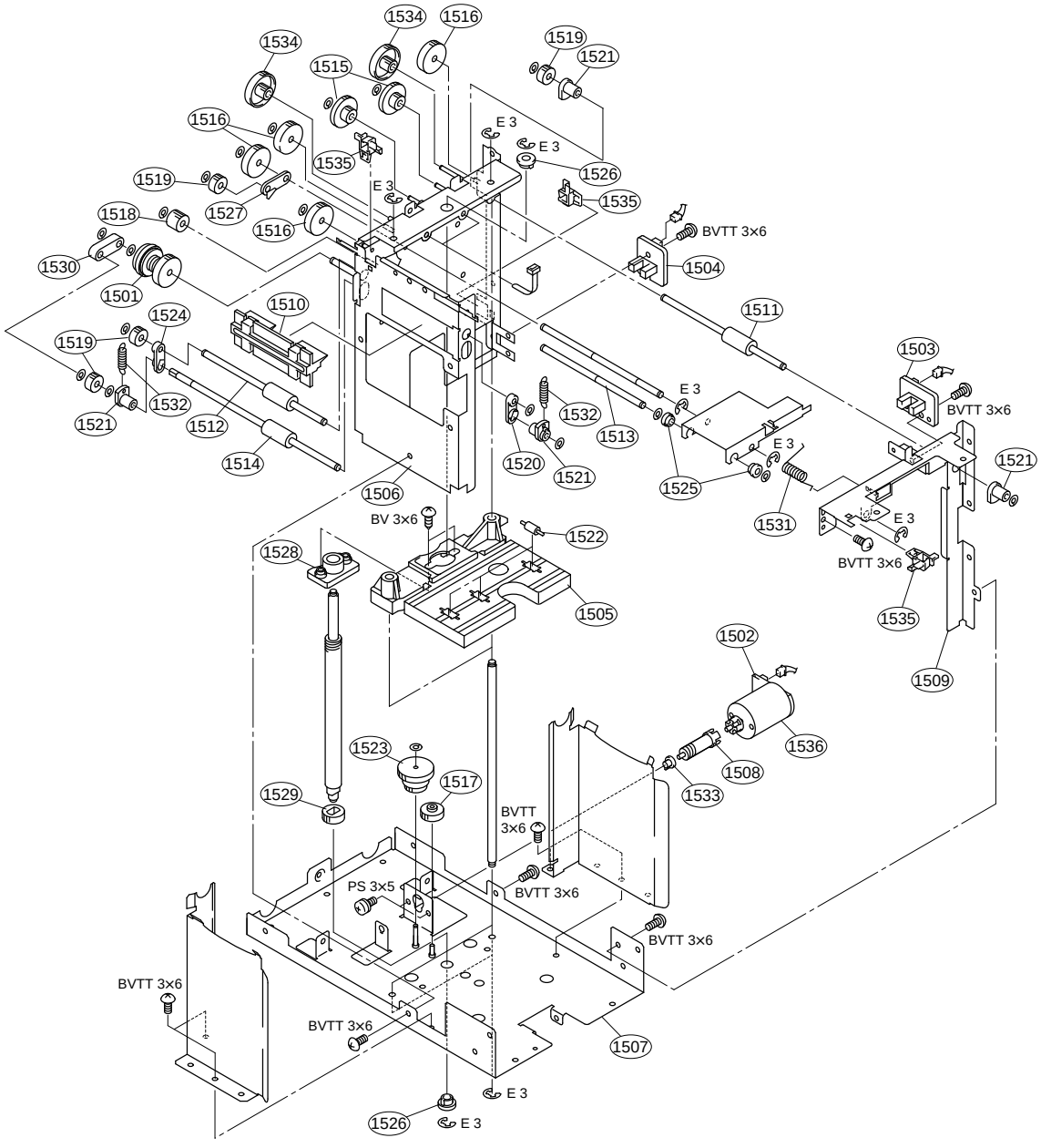
3. UPA-6002



No.	Part No.	SP	Description
1301	X-3168-120-1	o	HINGE (LEFT) ASSY, PANEL
1302	X-3168-121-1	o	HINGE (RIGHT) ASSY, PANEL
1303	X-3168-129-1	o	DOOR (A) ASSY, FRONT
1304	X-3556-910-0	s	FOOT ASSY, MF
1305	1-595-582-01	s	HARNESS, SW
1306	3-201-088-01	o	CATCHER
1307	3-201-150-01	s	PANEL, INNER
1308	3-201-152-01	o	COVER (3)
1309	3-201-157-01	s	DOOR (B), FRONT
1310	3-201-165-01	o	HINGE (RIGHT) (B), PANEL
1311	3-201-186-01	o	LID
1312	3-201-232-01	o	HINGE (LEFT) (B), PANEL
1313	3-201-240-01	o	COVER (1 (S))
1314	3-201-241-01	o	COVER (2 (S))
1315	4-886-821-11	s	SCREW, M3 CASE



No.	Part No.	SP	Description
1401	A-8320-427-A	s	CONNECTOR ASSY (1)
1402	A-8321-194-A	o	MOUNTED CIRCUIT BOARD, DUS-169
1403	1-670-540-11	o	PRINTED WIRING BOARD, SE-493
1404	1-670-535-11	o	PRINTED WIRING BOARD, SE-496
1405	1-670-562-11	o	PRINTED WIRING BOARD, SU-44
1406	X-3168-118-1	o	RETAINER ASSY, CARD
1407	X-3168-128-1	o	BRACKET (CN) (3) SUB ASSY
1408	X-3168-130-1	o	BRACKET (R (S)) SUB ASSY
1409	3-201-160-01	s	RETAINER, CARD
1410	3-201-169-01	o	BRACKET (ROLLER)
1411	3-201-171-01	o	LINK, CARD RETAINER
1412	3-201-185-01	o	EJECT KEY
1413	3-201-188-01	s	ROLLER
1414	3-201-189-01	s	FLAG, SENSOR
1415	3-201-190-01	o	LEVER (LOCK)
1416	3-201-194-01	o	BRACKET (LOCK)
1417	3-201-200-01	s	PLATE, ASIDE
1418	3-201-205-01	s	SPRING (ASIDE), TENSION COIL
1419	3-201-208-01	o	SHAFT (ROLLER)
1420	3-201-212-01	s	SPRING (JOINT LOCK)
1421	3-201-217-01	o	SHAFT (SENSOR)
1422	3-201-225-01	s	SPRING, CARD RETAINER
1423	3-201-236-01	o	LEVER (UNLOCK) (S)
1424	⚠ X-3942-122-1	s	MOTOR ASSY, HEAD DRIVE



No.	Part No.	SP	Description
1501	A-8320-496-A	s	LIMITER ASSY
1502	A-8321-196-A	o	PRINTED WIRING BOARD, SU-43
1503	1-670-536-11	o	PRINTED WIRING BOARD, SE-495
1504	1-670-534-11	o	PRINTED WIRING BOARD, SE-494
1505	1-670-541-11	o	TABLE SUB ASSY
1506	X-3168-124-1	o	FRAME (1) SUB ASSY
1507	X-3168-126-1	o	BASE SUB ASSY
1508	X-3737-811-1	s	WORM BLOCK ASSY
1509	3-201-145-01	s	FRAME (2)
1510	3-201-159-01	s	GUIDE (EX)
1511	3-201-174-01	s	ROLLER (E)
1512	3-201-175-01	s	ROLLER (F)
1513	3-201-176-01	s	ROLLER (P)
1514	3-201-177-01	s	ROLLER (R)
1515	3-201-178-01	s	GEAR (48/16)
1516	3-201-179-01	s	GEAR (38)
1517	3-201-180-01	s	GEAR (Z:25) (T)
1518	3-201-181-01	s	GEAR (18)
1519	3-201-182-01	s	GEAR (Z:20) (D)
1520	3-201-184-01	s	BEARING (SEPARATION)
1521	3-201-187-01	s	BEARING R
1522	3-201-192-01	s	ROLLER (TABLE)
1523	3-201-193-01	s	GEAR (Z:25/35) (T)
1524	3-201-195-01	s	KEEPER (15.05), BEARING SPACE
1525	3-201-196-01	s	BEARING (PICK)
1526	3-201-197-01	s	BEARING (SCREW)
1527	3-201-198-01	s	KEEPER (14.55), BEARING SPACE
1528	3-201-201-01	s	NUT
1529	3-201-203-01	s	GEAR (25:SCREW)
1530	3-201-204-01	s	SUPPORT
1531	3-201-207-01	s	SPRING (PICK), TORSION
1532	3-201-212-01	s	SPRING (JOINT LOCK)
1533	3-737-880-01	s	CAP, WORM SHAFT
1534	3-950-019-01	s	GEAR (A), HEAD DRIVE
1535	3-972-239-01	s	CLAMP, MINIATURE
1536	⚠ X-3678-206-1	s	DC MOTOR (MB) ASSY

7-3. ELECTRICAL PARTS LIST

1. UP-D6500/D6400/D6300

CN-1663 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-159-A	o	MOUNTED CIRCUIT BOARD, CN-1663 [for UP-D6500, UP-D6400]
1pc	A-8321-189-A	o	MOUNTED CIRCUIT BOARD, CN-1663 [for UP-D6300]
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
CN201	1-770-339-11	s	CONNECTOR, FFC/FPC 26P
CN203	1-564-730-11	o	PIN, CONNECTOR (SMALL TYPE)14P
CN204	1-770-688-11	s	CONNECTOR, FFC/FPC 5P [for UP-D6500, UP-D6400]
CN222	1-564-718-11	s	CONNECTOR, 2P, MALE
CN223	1-564-718-11	s	CONNECTOR, 2P, MALE
CN224	1-564-718-11	s	CONNECTOR, 2P, MALE
CN225	1-564-718-11	s	CONNECTOR, 2P, MALE
CN230	1-564-730-11	o	PIN, CONNECTOR (SMALL TYPE)14P
Q250	8-729-422-39	s	TRANSISTOR XN4404
Q251	8-729-422-39	s	TRANSISTOR XN4404
Q252	8-729-045-32	s	TRANSISTOR HAT1036R-EL
Q253	8-729-900-53	s	TRANSISTOR DTC114EK
R201	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R202	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R203	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R204	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R205	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R206	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R208	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R209	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R210	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R211	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R212	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R213	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R214	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R250	1-216-653-11	s	METAL, CHIP 1.2K 0.5% 1/10W
R251	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R252	1-216-653-11	s	METAL, CHIP 1.2K 0.5% 1/10W
R253	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R254	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R255	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R256	1-216-655-11	s	METAL, CHIP 1.5K 0.5% 1/10W
R257	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R258	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R259	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W

DUS-170 BOARD — UP-D6500(J,UC,CE) UP-D6400(J,UC,CE)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-163-A	o	MOUNTED CIRCUIT BOARD, DUS-170 [for UP-D6500/D6400(J)]
1pc	A-8321-165-A	o	MOUNTED CIRCUIT BOARD, DUS-170 [for UP-D6500/D6400(UC/CE)]
C101	1-128-403-11	s	ELECT 47uF 20% 35V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C103	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V [for UP-D6500/D6400(UC/CE)]
C106	1-115-670-11	s	ELECT 220uF 20% 35V [for UP-D6500/D6400(UC/CE)]
C107	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V [for UP-D6500/D6400(UC/CE)]
C108	1-115-670-11	s	ELECT 220uF 20% 35V [for UP-D6500/D6400(UC/CE)]
C109	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C110	1-115-670-11	s	ELECT 220uF 20% 35V
C114	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V [for UP-D6500/D6400(UC/CE)]
C115	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V [for UP-D6500/D6400(UC/CE)]
C116	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C117	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C118	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C119	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V [for UP-D6500/D6400(UC/CE)]
C120	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V [for UP-D6500/D6400(UC/CE)]
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C123	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C127	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500/D6400(UC/CE)]
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
CN101	1-770-697-11	s	CONNECTOR, FFC/FPC 14P
CN102	1-573-056-21	o	CONNECTOR, FPC (1.0MM)(ZIF)13P
D101	8-719-016-74	s	DIODE 1SS352-TPH3
D102	8-719-016-74	s	DIODE 1SS352-TPH3 [for UP-D6500/D6400(UC/CE)]
D103	8-719-016-74	s	DIODE 1SS352-TPH3 [for UP-D6500/D6400(UC/CE)]
IC104	8-759-925-76	s	IC SN74HC08ANS
IC105	8-759-231-92	s	IC TA7291P
IC106	8-759-231-92	s	IC TA7291P [for UP-D6500/D6400(UC/CE)]
IC107	8-759-231-92	s	IC TA7291P [for UP-D6500/D6400(UC/CE)]
IC108	8-759-925-76	s	IC SN74HC08ANS [for UP-D6500/D6400(UC/CE)]
IC111	8-759-925-74	s	IC TC74HC04ANS
Q101	8-729-900-53	s	TRANSISTOR DTC114EK

(DUS-170 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q102	8-729-900-53	s	TRANSISTOR DTC114EK
R101	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R105	1-216-041-00	s	METAL, CHIP 470 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R106	1-216-041-00	s	METAL, CHIP 470 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R107	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R108	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R109	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R110	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R111	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R112	1-216-049-91	s	RESCHIP 1K 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R113	1-216-049-91	s	RESCHIP 1K 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R114	1-216-049-91	s	RESCHIP 1K 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R115	1-216-049-91	s	RESCHIP 1K 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R117	1-216-021-00	s	METAL, CHIP 68 5% 1/10W
R118	1-216-043-91	s	RESCHIP 560 5% 1/10W
R120	1-216-021-00	s	METAL, CHIP 68 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R121	1-216-043-91	s	RESCHIP 560 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R123	1-216-021-00	s	METAL, CHIP 68 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R124	1-216-043-91	s	RESCHIP 560 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R125	1-216-097-91	s	RESCHIP 100K 5% 1/10W
R126	1-216-097-91	s	RESCHIP 100K 5% 1/10W [for UP-D6500/D6400(UC/CE)]
R127	1-216-097-91	s	RESCHIP 100K 5% 1/10W [for UP-D6500/D6400(UC/CE)]

LE-204 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-545-11	o	PRINTED WIRING BOARD, LE-204
CN317	1-566-762-11	o	CONNECTOR 7P, MALE

PIF-32 BOARD

UP-6500(J,UC,CE)
UP-6400(J,UC,CE)
UP-6300(J)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-145-A	o	MOUNTED CIRCUIT BOARD, PIF-32
CN101	1-766-766-11	o	CONNECTOR, AMPHENOL 36P

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PRT-12 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      A-8321-143-A o MOUNTED CIRCUIT BOARD, PRT-12
                                                [for UP-D6500]
 1pc      A-8321-183-A o MOUNTED CIRCUIT BOARD, PRT-12
                                                [for UP-D6400]
 1pc      A-8321-187-A o MOUNTED CIRCUIT BOARD, PRT-12
                                                [for UP-D6300]

 C101     1-163-038-91 s CERAMIC 0.1uF 25V
 C102     1-163-038-91 s CERAMIC 0.1uF 25V
 C103     1-163-038-91 s CERAMIC 0.1uF 25V
 C104     1-163-038-91 s CERAMIC 0.1uF 25V
 C105     1-163-038-91 s CERAMIC 0.1uF 25V

 C106     1-163-038-91 s CERAMIC 0.1uF 25V
 C107     1-163-038-91 s CERAMIC 0.1uF 25V
 C108     1-163-038-91 s CERAMIC 0.1uF 25V
 C109     1-163-038-91 s CERAMIC 0.1uF 25V
 C110     1-163-005-11 s CERAMIC, CHIP 470PF 10% 50V

 C111     1-163-038-91 s CERAMIC 0.1uF 25V
 C112     1-163-038-91 s CERAMIC 0.1uF 25V
 C113     1-163-005-11 s CERAMIC, CHIP 470PF 10% 50V
 C114     1-163-038-91 s CERAMIC 0.1uF 25V
 C115     1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V

 C116     1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
 C117     1-163-038-91 s CERAMIC 0.1uF 25V
 C118     1-163-038-91 s CERAMIC 0.1uF 25V
 C119     1-163-038-91 s CERAMIC 0.1uF 25V
 C120     1-163-038-91 s CERAMIC 0.1uF 25V

 C121     1-163-038-91 s CERAMIC 0.1uF 25V
 C122     1-163-038-91 s CERAMIC 0.1uF 25V
 C123     1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
 C124     1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
 C125     1-163-038-91 s CERAMIC 0.1uF 25V

 C126     1-163-038-91 s CERAMIC 0.1uF 25V
 C127     1-163-038-91 s CERAMIC 0.1uF 25V
 C128     1-115-340-11 s CERAMIC 0.22uF 10% 25V
 C143     1-163-038-91 s CERAMIC 0.1uF 25V
 C201     1-163-038-91 s CERAMIC 0.1uF 25V

 C202     1-163-038-91 s CERAMIC 0.1uF 25V
 C203     1-163-038-91 s CERAMIC 0.1uF 25V
 C204     1-163-038-91 s CERAMIC 0.1uF 25V
 C205     1-163-038-91 s CERAMIC 0.1uF 25V
 C206     1-163-038-91 s CERAMIC 0.1uF 25V

 C207     1-163-038-91 s CERAMIC 0.1uF 25V
 C208     1-163-038-91 s CERAMIC 0.1uF 25V
 C209     1-163-038-91 s CERAMIC 0.1uF 25V
 C210     1-163-038-91 s CERAMIC 0.1uF 25V
 C211     1-163-038-91 s CERAMIC 0.1uF 25V

 C212     1-163-038-91 s CERAMIC 0.1uF 25V
 C213     1-128-235-11 s ELECT 0.47uF 20% 50V
 C214     1-163-038-91 s CERAMIC 0.1uF 25V
 C215     1-163-038-91 s CERAMIC 0.1uF 25V
 C216     1-163-038-91 s CERAMIC 0.1uF 25V

 C217     1-163-038-91 s CERAMIC 0.1uF 25V
 C218     1-163-038-91 s CERAMIC 0.1uF 25V
 C219     1-163-038-91 s CERAMIC 0.1uF 25V
 C220     1-163-038-91 s CERAMIC 0.1uF 25V
 C221     1-163-038-91 s CERAMIC 0.1uF 25V

 C222     1-128-396-11 s ELECT 470uF 20% 10V
 C223     1-163-033-91 s CERAMIC 0.022uF 50V
 C301     1-163-038-91 s CERAMIC 0.1uF 25V
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 Ref. No.
 or Q'ty  Part No.    SP Description

 C302     1-163-038-91 s CERAMIC 0.1uF 25V
 C303     1-163-038-91 s CERAMIC 0.1uF 25V
 C304     1-163-038-91 s CERAMIC 0.1uF 25V
                                 [for UP-D6500, UP-D6400]
 C305     1-163-038-91 s CERAMIC 0.1uF 25V
                                 [for UP-D6500, UP-D6400]
 C306     1-163-038-91 s CERAMIC 0.1uF 25V

 C307     1-163-038-91 s CERAMIC 0.1uF 25V
 C308     1-163-038-91 s CERAMIC 0.1uF 25V
 C309     1-163-038-91 s CERAMIC 0.1uF 25V
 C310     1-163-038-91 s CERAMIC 0.1uF 25V
 C311     1-163-038-91 s CERAMIC 0.1uF 25V
                                 [for UP-D6500, UP-D6400]

 C312     1-163-038-91 s CERAMIC 0.1uF 25V

                                 [for UP-D6500, UP-D6400]

 C313     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C314     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C315     1-163-038-91 s CERAMIC 0.1uF 25V
                                 [for UP-D6500, UP-D6400]
 C316     1-163-038-91 s CERAMIC 0.1uF 25V
                                 [for UP-D6500, UP-D6400]
 C319     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]

 C320     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C321     1-163-038-91 s CERAMIC 0.1uF 25V
 C322     1-163-038-91 s CERAMIC 0.1uF 25V
 C323     1-163-038-91 s CERAMIC 0.1uF 25V
 C324     1-163-038-91 s CERAMIC 0.1uF 25V

 C325     1-163-038-91 s CERAMIC 0.1uF 25V
 C326     1-163-038-91 s CERAMIC 0.1uF 25V
 C327     1-163-038-91 s CERAMIC 0.1uF 25V
 C328     1-163-038-91 s CERAMIC 0.1uF 25V
 C329     1-163-038-91 s CERAMIC 0.1uF 25V

 C401     1-163-038-91 s CERAMIC 0.1uF 25V
 C402     1-163-038-91 s CERAMIC 0.1uF 25V
 C403     1-163-038-91 s CERAMIC 0.1uF 25V
 C502     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C503     1-126-402-11 s ELECT, CHIP 2.2uF 20% 50V
                                          [for UP-D6500]

 C504     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C505     1-126-396-11 s ELECT, CHIP 47uF 20% 16V
                                        [for UP-D6500]
 C506     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C507     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]
 C508     1-163-038-91 s CERAMIC 0.1uF 25V [for UP-D6500]

 C601     1-163-233-11 s CERAMIC 18PF 5% 50V
 C602     1-163-233-11 s CERAMIC 18PF 5% 50V
 C603     1-163-038-91 s CERAMIC 0.1uF 25V
 C604     1-163-038-91 s CERAMIC 0.1uF 25V
 C605     1-163-038-91 s CERAMIC 0.1uF 25V

 C606     1-163-038-91 s CERAMIC 0.1uF 25V
 C607     1-163-038-91 s CERAMIC 0.1uF 25V
 C608     1-163-038-91 s CERAMIC 0.1uF 25V
 C609     1-163-038-91 s CERAMIC 0.1uF 25V
 C702     1-163-038-91 s CERAMIC 0.1uF 25V

 C703     1-163-038-91 s CERAMIC 0.1uF 25V
 C801     1-163-038-91 s CERAMIC 0.1uF 25V
 C806     1-163-038-91 s CERAMIC 0.1uF 25V
 C807     1-163-038-91 s CERAMIC 0.1uF 25V
 C809     1-163-038-91 s CERAMIC 0.1uF 25V
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(PRT-12 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C814	1-163-038-91	s	CERAMIC 0.1uF 25V
C815	1-163-038-91	s	CERAMIC 0.1uF 25V
C901	1-163-038-91	s	CERAMIC 0.1uF 25V
C910	1-163-038-91	s	CERAMIC 0.1uF 25V
C911	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500, UP-D6400]
C912	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500, UP-D6400]
C913	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500, UP-D6400]
C914	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500, UP-D6400]
C915	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500, UP-D6400]
C916	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500]
C917	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500]
C918	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500]
C920	1-163-038-91	s	CERAMIC 0.1uF 25V [for UP-D6500]
C921	1-163-038-91	s	CERAMIC 0.1uF 25V
C1001	1-163-038-91	s	CERAMIC 0.1uF 25V
C1002	1-128-397-21	s	ELECT 100uF 20% 16V
C1003	1-128-397-21	s	ELECT 100uF 20% 16V
C1004	1-163-038-91	s	CERAMIC 0.1uF 25V
C1005	1-163-038-91	s	CERAMIC 0.1uF 25V
C1006	1-128-403-11	s	ELECT 47uF 20% 35V
C1007	1-163-038-91	s	CERAMIC 0.1uF 25V
C1008	1-128-403-11	s	ELECT 47uF 20% 35V
C1009	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1010	1-163-038-91	s	CERAMIC 0.1uF 25V
C1011	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1012	1-163-038-91	s	CERAMIC 0.1uF 25V
C1013	1-163-038-91	s	CERAMIC 0.1uF 25V
C1014	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1015	1-163-038-91	s	CERAMIC 0.1uF 25V
C1016	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
CN401	1-770-705-11	s	CONNECTOR, FFC/FPC 22P
CN501	1-774-666-11	s	CONNECTOR, FFC/FPC 30P [for UP-D6500]
CN701	1-770-339-11	s	CONNECTOR, FFC/FPC 26P
CN802	1-564-730-11	o	PIN, CONNECTOR (SMALL TYPE)14P
CN905	1-770-688-11	s	CONNECTOR, FFC/FPC 5P [for UP-D6500]
CN906	1-770-697-11	s	CONNECTOR, FFC/FPC 14P
CN1001	1-564-729-11	o	PIN, CONNECTOR (SMALL TYPE)13P
CNI301	1-526-659-00	o	SOCKET, IC 28P
D201	8-719-016-74	s	DIODE 1SS352-TPH3
D202	8-719-800-76	s	DIODE 1SS226
D501	8-719-048-98	s	DIODE RB160L-40TE25 [for UP-D6500]
D802	8-719-055-33	s	DIODE D1FL20U-TA
D803	8-719-055-33	s	DIODE D1FL20U-TA
D804	8-719-055-33	s	DIODE D1FL20U-TA
D805	8-719-055-33	s	DIODE D1FL20U-TA
D807	8-719-055-33	s	DIODE D1FL20U-TA
D808	8-719-055-33	s	DIODE D1FL20U-TA
D809	8-719-055-33	s	DIODE D1FL20U-TA
D810	8-719-055-33	s	DIODE D1FL20U-TA
D812	8-719-055-33	s	DIODE D1FL20U-TA
D813	8-719-055-33	s	DIODE D1FL20U-TA
D814	8-719-055-33	s	DIODE D1FL20U-TA

(PRT-12 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D815	8-719-055-33	s	DIODE D1FL20U-TA
F501	⚠ 1-533-380-21	s	FUSE (1 A) [for UP-D6500]
F901	⚠ 1-533-380-21	s	FUSE (1 A)
F902	⚠ 1-533-380-21	s	FUSE (1 A)
FL401	1-233-282-21	s	FILTER, EMI (SMD)
FL402	1-233-282-21	s	FILTER, EMI (SMD)
FL403	1-233-282-21	s	FILTER, EMI (SMD)
FL404	1-233-282-21	s	FILTER, EMI (SMD)
FL405	1-233-282-21	s	FILTER, EMI (SMD)
FL406	1-233-282-21	s	FILTER, EMI (SMD)
FL407	1-233-282-21	s	FILTER, EMI (SMD)
FL408	1-233-282-21	s	FILTER, EMI (SMD)
FL409	1-233-282-21	s	FILTER, EMI (SMD)
FL410	1-233-282-21	s	FILTER, EMI (SMD)
FL411	1-233-282-21	s	FILTER, EMI (SMD)
FL412	1-233-282-21	s	FILTER, EMI (SMD)
FL413	1-233-282-21	s	FILTER, EMI (SMD)
FL414	1-233-282-21	s	FILTER, EMI (SMD)
FL415	1-233-282-21	s	FILTER, EMI (SMD)
FL416	1-233-282-21	s	FILTER, EMI (SMD)
FL417	1-233-282-21	s	FILTER, EMI (SMD)
FL418	1-233-282-21	s	FILTER, EMI (SMD)
IC101	8-759-926-48	s	IC SN74HC244NS
IC103	8-759-998-49	s	IC MB3771PF
IC203	8-759-925-85	s	IC SN74HC32ANS
IC401	8-759-434-21	s	IC SN74ACT1284NS-E05
IC402	8-759-434-21	s	IC SN74ACT1284NS-E05
IC403	8-759-926-48	s	IC SN74HC244NS
IC501	8-759-388-42	s	IC BH9595FP-Y-E2 [for UP-D6500]
IC502	8-759-455-85	s	IC MB86604L [for UP-D6500]
IC603	8-759-926-48	s	IC SN74HC244NS
IC701	8-759-178-20	s	IC M62354FP
IC804	8-759-157-19	s	IC MB3863PF-G-BND
IC805	8-759-157-19	s	IC MB3863PF-G-BND
IC901	8-759-926-49	s	IC SN74HC245NS
IC902	8-759-925-74	s	IC TC74HC04ANS
IC903	8-759-252-59	s	IC MAX202CSE [for UP-D6500, UP-D6400]
IC904	8-759-252-59	s	IC MAX202CSE [for UP-D6500]
IC905	8-759-925-79	s	IC SN74HC11ANS
IC1001	8-759-473-67	s	IC PQ3RF33
L1001	1-424-653-11	s	INDUCTOR 10UH
L1006	1-424-653-11	s	INDUCTOR 10UH
L1007	1-424-653-11	s	INDUCTOR 10UH
L1008	1-424-653-11	s	INDUCTOR 10UH
Q101	8-729-900-53	s	TRANSISTOR DTC114EK
Q201	8-729-900-53	s	TRANSISTOR DTC114EK
Q202	8-729-900-53	s	TRANSISTOR DTC114EK
Q203	8-729-900-53	s	TRANSISTOR DTC114EK
Q204	8-729-900-53	s	TRANSISTOR DTC114EK
Q205	8-729-900-53	s	TRANSISTOR DTC114EK
Q206	8-729-900-53	s	TRANSISTOR DTC114EK
Q207	8-729-901-00	s	TRANSISTOR DTC124EK
Q702	8-729-901-87	s	TRANSISTOR 2SC2411K-CQ
Q703	8-729-901-87	s	TRANSISTOR 2SC2411K-CQ
Q704	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q705	8-729-900-53	s	TRANSISTOR DTC114EK
Q801	8-729-900-53	s	TRANSISTOR DTC114EK
Q802	8-729-027-38	s	TRANSISTOR DTA144EKA-T146

(PRT-12 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q803	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q804	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q805	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q806	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q807	8-729-900-53	s	TRANSISTOR DTC114EK
Q808	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q809	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q810	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q811	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q812	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q813	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q814	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
R101	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R102	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R103	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R104	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R105	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R106	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R107	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R108	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R109	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R110	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R111	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R112	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R113	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R114	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R115	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R116	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R117	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R118	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R119	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R121	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R122	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R123	1-216-025-91	s	RESCHIP 100 5% 1/10W
R124	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R126	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R127	1-216-063-91	s	RESCHIP 3.9K 5% 1/10W
R128	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R129	1-216-295-91	s	RES, CHIP 0 [for UP-D6500]
R130	1-216-295-91	s	RES, CHIP 0
R132	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R133	1-216-023-00	s	METAL, CHIP 82 5% 1/10W
R134	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R201	1-216-009-91	s	RESCHIP 22 5% 1/10W
R202	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R203	1-216-009-91	s	RESCHIP 22 5% 1/10W
R204	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R205	1-216-009-91	s	RESCHIP 22 5% 1/10W
R206	1-216-023-00	s	METAL, CHIP 82 5% 1/10W
R207	1-216-023-00	s	METAL, CHIP 82 5% 1/10W
R208	1-216-009-91	s	RESCHIP 22 5% 1/10W
R209	1-216-009-91	s	RESCHIP 22 5% 1/10W
R210	1-216-009-91	s	RESCHIP 22 5% 1/10W
R211	1-216-009-91	s	RESCHIP 22 5% 1/10W
R212	1-216-009-91	s	RESCHIP 22 5% 1/10W
R213	1-216-009-91	s	RESCHIP 22 5% 1/10W
R214	1-216-009-91	s	RESCHIP 22 5% 1/10W
R215	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R216	1-216-009-91	s	RESCHIP 22 5% 1/10W
R217	1-216-009-91	s	RESCHIP 22 5% 1/10W
R218	1-216-009-91	s	RESCHIP 22 5% 1/10W
R219	1-216-009-91	s	RESCHIP 22 5% 1/10W
R220	1-216-009-91	s	RESCHIP 22 5% 1/10W
R221	1-216-009-91	s	RESCHIP 22 5% 1/10W
R222	1-216-009-91	s	RESCHIP 22 5% 1/10W
R223	1-216-009-91	s	RESCHIP 22 5% 1/10W
R224	1-216-009-91	s	RESCHIP 22 5% 1/10W
R225	1-216-009-91	s	RESCHIP 22 5% 1/10W
R226	1-216-009-91	s	RESCHIP 22 5% 1/10W
R227	1-216-009-91	s	RESCHIP 22 5% 1/10W
R228	1-216-009-91	s	RESCHIP 22 5% 1/10W
R229	1-216-009-91	s	RESCHIP 22 5% 1/10W
R230	1-216-009-91	s	RESCHIP 22 5% 1/10W
R231	1-216-009-91	s	RESCHIP 22 5% 1/10W
R232	1-216-009-91	s	RESCHIP 22 5% 1/10W
R233	1-216-009-91	s	RESCHIP 22 5% 1/10W
R234	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R235	1-216-097-91	s	RESCHIP 100K 5% 1/10W
R236	1-208-806-11	s	RESCHIP 10K 0.50% 1/10W
R237	1-208-805-11	s	RESCHIP 9.1K 0.50% 1/10W
R238	1-208-820-11	s	RESCHIP 39K 0.50% 1/10W
R239	1-216-009-91	s	RESCHIP 22 5% 1/10W
R240	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R243	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R244	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R245	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R246	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R247	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R248	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R249	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R250	1-208-806-11	s	RESCHIP 10K 0.50% 1/10W
R251	1-208-805-11	s	RESCHIP 9.1K 0.50% 1/10W
R252	1-208-820-11	s	RESCHIP 39K 0.50% 1/10W
R253	1-216-053-00	s	METAL, CHIP 1.5K 5% 1/10W
R303	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R304	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R305	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R306	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R307	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R308	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R309	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R310	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R311	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R312	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R313	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R314	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R315	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R316	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R317	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R319	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]

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Ref. No. or Q'ty	Part No.	SP	Description
R320	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R321	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R322	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R323	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R324	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R325	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R334	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R335	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R336	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R337	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R338	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R339	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R340	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500, UP-D6400]
R401	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R402	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R403	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R404	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R405	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R406	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R407	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R408	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R409	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R410	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R411	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R412	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R413	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R414	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R415	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R416	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R417	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R418	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R419	1-216-025-91	s	RESCHIP 100 5% 1/10W
R420	1-216-025-91	s	RESCHIP 100 5% 1/10W
R421	1-216-025-91	s	RESCHIP 100 5% 1/10W
R422	1-216-025-91	s	RESCHIP 100 5% 1/10W
R423	1-216-025-91	s	RESCHIP 100 5% 1/10W
R424	1-216-025-91	s	RESCHIP 100 5% 1/10W
R425	1-216-025-91	s	RESCHIP 100 5% 1/10W
R426	1-216-025-91	s	RESCHIP 100 5% 1/10W
R427	1-216-025-91	s	RESCHIP 100 5% 1/10W
R428	1-216-025-91	s	RESCHIP 100 5% 1/10W
R429	1-216-025-91	s	RESCHIP 100 5% 1/10W
R430	1-216-025-91	s	RESCHIP 100 5% 1/10W
R431	1-216-025-91	s	RESCHIP 100 5% 1/10W
R432	1-216-025-91	s	RESCHIP 100 5% 1/10W
R433	1-216-025-91	s	RESCHIP 100 5% 1/10W
R434	1-216-025-91	s	RESCHIP 100 5% 1/10W
R435	1-216-025-91	s	RESCHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R436	1-216-025-91	s	RESCHIP 100 5% 1/10W
R437	1-216-025-91	s	RESCHIP 100 5% 1/10W
R438	1-216-025-91	s	RESCHIP 100 5% 1/10W
R439	1-216-025-91	s	RESCHIP 100 5% 1/10W
R440	1-216-025-91	s	RESCHIP 100 5% 1/10W
R441	1-216-025-91	s	RESCHIP 100 5% 1/10W
R442	1-216-025-91	s	RESCHIP 100 5% 1/10W
R443	1-216-097-91	s	RESCHIP 100K 5% 1/10W
R444	1-216-097-91	s	RESCHIP 100K 5% 1/10W
R445	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R446	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R501	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6400, UP-D6300]
R502	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R503	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R504	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R505	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R506	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R507	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R508	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R509	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R510	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R511	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R512	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6400, UP-D6300]
R515	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R516	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R517	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R518	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R519	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R520	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R521	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R522	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R523	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R524	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R526	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6400, UP-D6300]
R527	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R528	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R529	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]

(PRT-12 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R530	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R531	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R532	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R533	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R534	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W [for UP-D6500]
R601	1-216-009-91	s	RESCHIP 22 5% 1/10W
R602	1-216-009-91	s	RESCHIP 22 5% 1/10W
R603	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R604	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R605	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R607	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R608	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R609	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R610	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R701	1-216-053-00	s	METAL, CHIP 1.5K 5% 1/10W
R702	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R703	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R704	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R705	1-216-023-00	s	METAL, CHIP 82 5% 1/10W
R706	1-216-023-00	s	METAL, CHIP 82 5% 1/10W
R707	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R708	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R709	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R710	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R711	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R712	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R713	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R714	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R715	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R716	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R717	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R718	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R719	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R720	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R721	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R722	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R725	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R801	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R802	1-216-043-91	s	RESCHIP 560 5% 1/10W
R803	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R804	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R805	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R807	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R809	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R810	1-216-043-91	s	RESCHIP 560 5% 1/10W
R811	1-216-043-91	s	RESCHIP 560 5% 1/10W
R812	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R813	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R814	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R816	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R818	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R819	1-216-043-91	s	RESCHIP 560 5% 1/10W
R820	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R821	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R822	1-216-049-91	s	RESCHIP 1K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R824	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R826	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R827	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R828	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R829	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R830	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R831	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R832	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R833	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R834	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R835	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R836	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R837	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R838	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R839	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R840	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R841	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R842	1-216-043-91	s	RESCHIP 560 5% 1/10W
R843	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R844	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R845	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R846	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R847	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R848	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R849	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R901	1-216-009-91	s	RESCHIP 22 5% 1/10W
R902	1-216-009-91	s	RESCHIP 22 5% 1/10W
R903	1-216-009-91	s	RESCHIP 22 5% 1/10W
R904	1-216-009-91	s	RESCHIP 22 5% 1/10W
R905	1-216-009-91	s	RESCHIP 22 5% 1/10W
R906	1-216-009-91	s	RESCHIP 22 5% 1/10W
R907	1-216-009-91	s	RESCHIP 22 5% 1/10W
R908	1-216-009-91	s	RESCHIP 22 5% 1/10W
R909	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R910	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R911	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R912	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R913	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R914	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R915	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R916	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R918	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R919	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R920	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R921	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R922	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R923	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R924	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R925	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R926	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R927	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
S101	1-570-909-21	s	SWITCH, PUSH
S102	1-570-909-21	s	SWITCH, PUSH
S103	1-570-909-21	s	SWITCH, PUSH
S105	1-570-909-21	s	SWITCH, PUSH
TP201	1-535-757-11	s	CHIP, CHECKER
TP202	1-535-757-11	s	CHIP, CHECKER
TP203	1-535-757-11	s	CHIP, CHECKER

(PRT-12 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
TP204	1-535-757-11	s	CHIP, CHECKER
TP205	1-535-757-11	s	CHIP, CHECKER
TP206	1-535-757-11	s	CHIP, CHECKER
TP207	1-535-757-11	s	CHIP, CHECKER
TP208	1-535-757-11	s	CHIP, CHECKER
TP209	1-535-757-11	s	CHIP, CHECKER
TP210	1-535-757-11	s	CHIP, CHECKER
TP211	1-535-757-11	s	CHIP, CHECKER
TP212	1-535-757-11	s	CHIP, CHECKER
TP213	1-535-757-11	s	CHIP, CHECKER
TP401	1-535-757-11	s	CHIP, CHECKER
TP402	1-535-757-11	s	CHIP, CHECKER
TP403	1-535-757-11	s	CHIP, CHECKER
TP404	1-535-757-11	s	CHIP, CHECKER
TP405	1-535-757-11	s	CHIP, CHECKER
TP406	1-535-757-11	s	CHIP, CHECKER
TP407	1-535-757-11	s	CHIP, CHECKER
TP408	1-535-757-11	s	CHIP, CHECKER
TP409	1-535-757-11	s	CHIP, CHECKER
TP410	1-535-757-11	s	CHIP, CHECKER
TP501	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP502	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP503	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP504	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP505	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP506	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP507	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP508	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP510	1-535-757-11	s	CHIP, CHECKER [for UP-D6500]
TP601	1-535-757-11	s	CHIP, CHECKER
TP602	1-535-757-11	s	CHIP, CHECKER
TP603	1-535-757-11	s	CHIP, CHECKER
TP701	1-535-757-11	s	CHIP, CHECKER
TP702	1-535-757-11	s	CHIP, CHECKER
TP703	1-535-757-11	s	CHIP, CHECKER
TP704	1-535-757-11	s	CHIP, CHECKER
TP705	1-535-757-11	s	CHIP, CHECKER
TP706	1-535-757-11	s	CHIP, CHECKER
TP707	1-535-757-11	s	CHIP, CHECKER
TP708	1-535-757-11	s	CHIP, CHECKER
TP1001	1-535-757-11	s	CHIP, CHECKER
TP1002	1-535-757-11	s	CHIP, CHECKER
TPE101	1-535-757-11	s	CHIP, CHECKER
TPE201	1-535-757-11	s	CHIP, CHECKER

SCS-26 BOARD — UP-D6500(J,UC,CE)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-147-A	o	MOUNTED CIRCUIT BOARD, SCS-26
CN101	1-774-033-11	o	HOUSING,CONNECTOR(PC BOARD)50P
CN102	1-774-033-11	o	HOUSING,CONNECTOR(PC BOARD)50P
S101	1-571-780-11	s	SWITCH, DIP (4 KEY)

SE-465 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-555-11	o	PRINTED WIRING BOARD, SE-465
CN301	1-566-758-11	o	CONNECTOR 3P, MALE
PH301	8-749-010-69	s	PHOTO INTERUPTER GP158V

SE-466 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-556-11	o	PRINTED WIRING BOARD, SE-466
CN302	1-566-758-11	o	CONNECTOR 3P, MALE
PH302	8-749-010-69	s	PHOTO INTERUPTER GP158V

SE-468 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-558-11	o	PRINTED WIRING BOARD, SE-468
CN304	1-566-760-11	s	CONNECTOR, ZR 5P, MALE
PH304	8-749-923-97	s	PHOTO INTERRUPTER GP2S40K
PH305	8-749-923-97	s	PHOTO INTERRUPTER GP2S40K

SE-469 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-548-11	o	PRINTED WIRING BOARD, SE-469
CN305	1-566-758-11	o	CONNECTOR 3P, MALE
PH306	8-749-010-69	s	PHOTO INTERUPTER GP158V

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SE-470 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-549-11 o PRINTED WIRING BOARD, SE-470

 CN306    1-566-759-11 o CONNECTOR 4P, MALE
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SE-471 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-550-11 o PRINTED WIRING BOARD, SE-471

 CN307    1-566-759-11 o CONNECTOR 4P, MALE
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SE-472 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-551-11 o PRINTED WIRING BOARD, SE-472

 CN308    1-566-758-11 o CONNECTOR 3P, MALE

 PH309    8-749-010-69 s PHOTO INTERUPTER GP158V
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SE-474 BOARD
------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-553-11 o PRINTED WIRING BOARD, SE-474

 CN310    1-566-758-11 o CONNECTOR 3P, MALE

 PH311    8-749-010-69 s PHOTO INTERUPTER GP158V
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SE-475 BOARD
------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-542-11 o PRINTED WIRING BOARD, SE-475

 CN311    1-566-758-11 o CONNECTOR 3P, MALE

 PH312    8-749-010-69 s PHOTO INTERUPTER GP158V
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SE-476 BOARD
------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-543-11 o PRINTED WIRING BOARD, SE-476

 CN312    1-566-758-11 o CONNECTOR 3P, MALE

 PH313    8-749-010-69 s PHOTO INTERUPTER GP158V
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SE-477 BOARD
------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-544-11 o PRINTED WIRING BOARD, SE-477

 CN313    1-566-758-11 o CONNECTOR 3P, MALE

 PH314    8-749-010-69 s PHOTO INTERUPTER GP158V
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SU-45 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-546-11 o PRINTED WIRING BOARD, SU-45
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SU-47 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-670-537-11 o PRINTED WIRING BOARD, SU-47
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PACKING MATERIALS
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc    A-8265-845-A s CASSETTE ASSY, RIBBON
 1pc    A-8320-326-A o DRIVER ASSY, PRINTER
 1pc    X-3168-088-1 s SPACER ASSY
 1pc  ⚠ 1-506-411-21 s ADAPTOR, AC PLUG 3P-2P [for J]
 1pc  ⚠ 1-534-827-14 s CORD, POWER [for UC]

 1pc  ⚠ 1-551-631-22 s CORD, POWER [for CE]
 1pc  ⚠ 1-575-181-11 s CORD SET, POWER [for J]
 1pc    3-200-905-01 s STACKER (2)
 1pc    3-200-937-01 s CASE, CL
 2pcs   3-201-066-01 s ROLLER, CL

 1pc    3-864-593-02 s MANUAL, INSTRUCTION [for J]
 1pc    3-864-593-11 s MANUAL, INSTRUCTION [for UC,CE]
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2. UPA-6002/6003

DUS-169 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-194-A	o	MOUNTED CIRCUIT BOARD, DUS-169
C101	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C102	1-128-403-11	s	ELECT 47uF 20% 35V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
CN101	1-764-643-21	o	PIN, CONNECTOR (SMD) 11P
CN102	1-764-643-21	o	PIN, CONNECTOR (SMD) 11P
CN103	1-580-056-21	o	PIN, CONNECTOR 3P
CN104	1-580-056-21	o	PIN, CONNECTOR 3P
CN105	1-580-056-21	o	PIN, CONNECTOR 3P
CN106	1-580-055-21	o	PIN, CONNECTOR 2P
CN107	1-580-056-21	o	PIN, CONNECTOR 3P
CN108	1-764-643-21	o	PIN, CONNECTOR (SMD) 11P
CN109	1-764-643-21	o	PIN, CONNECTOR (SMD) 11P
CN110	1-564-718-11	s	CONNECTOR, 2P, MALE
CN111	1-564-718-11	s	CONNECTOR, 2P, MALE
D101	8-719-800-76	s	DIODE 1SS226
D102	8-719-800-76	s	DIODE 1SS226
D103	8-719-800-76	s	DIODE 1SS226
D104	8-719-800-76	s	DIODE 1SS226
D105	8-719-800-76	s	DIODE 1SS226
D106	8-719-800-76	s	DIODE 1SS226
D107	8-719-800-76	s	DIODE 1SS226
D108	8-719-800-76	s	DIODE 1SS226
D109	8-719-800-76	s	DIODE 1SS226
D110	8-719-800-76	s	DIODE 1SS226
D111	8-719-800-76	s	DIODE 1SS226
IC101	8-759-987-80	s	IC SN74LS245NS
IC102	8-759-929-73	s	IC SN74LS00NS
IC104	8-759-926-56	s	IC SN74HC273ANS
IC105	8-759-634-77	s	IC M51951BML
IC107	8-759-926-48	s	IC SN74HC244NS
Q101	8-729-027-29	s	TRANSISTOR DTA123JKA-T146
R101	1-216-009-91	s	RESCHIP 22 5% 1/10W
R102	1-216-009-91	s	RESCHIP 22 5% 1/10W
R103	1-216-009-91	s	RESCHIP 22 5% 1/10W
R104	1-216-009-91	s	RESCHIP 22 5% 1/10W
R105	1-216-009-91	s	RESCHIP 22 5% 1/10W
R106	1-216-009-91	s	RESCHIP 22 5% 1/10W
R107	1-216-009-91	s	RESCHIP 22 5% 1/10W
R108	1-216-009-91	s	RESCHIP 22 5% 1/10W
R109	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R110	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R111	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R112	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R113	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R114	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W

(DUS-169 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R115	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R116	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R117	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R118	1-216-009-91	s	RESCHIP 22 5% 1/10W
R119	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R120	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R121	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R122	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R123	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R124	1-216-009-91	s	RESCHIP 22 5% 1/10W
R125	1-216-295-91	s	RES, CHIP 0
R126	1-216-009-91	s	RESCHIP 22 5% 1/10W
R127	1-216-009-91	s	RESCHIP 22 5% 1/10W
R128	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R129	1-216-295-91	s	RES, CHIP 0
R130	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R131	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R132	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R133	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R134	1-216-049-91	s	RESCHIP 1K 5% 1/10W
R135	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R136	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R137	1-216-009-91	s	RESCHIP 22 5% 1/10W
R138	1-216-009-91	s	RESCHIP 22 5% 1/10W
R139	1-216-009-91	s	RESCHIP 22 5% 1/10W
R140	1-216-009-91	s	RESCHIP 22 5% 1/10W
R141	1-216-009-91	s	RESCHIP 22 5% 1/10W
R142	1-216-009-91	s	RESCHIP 22 5% 1/10W
R143	1-216-009-91	s	RESCHIP 22 5% 1/10W
R144	1-216-009-91	s	RESCHIP 22 5% 1/10W
R145	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R146	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R147	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R148	1-216-031-00	s	METAL, CHIP 180 5% 1/10W
R151	1-216-295-91	s	RES, CHIP 0

SE-493 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-540-11	o	PRINTED WIRING BOARD, SE-493
CN204	1-566-758-11	o	CONNECTOR 3P, MALE
PH204	8-749-010-69	s	PHOTO INTERUPTER GP158V

SE-494 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-541-11	o	PRINTED WIRING BOARD, SE-494
CN202	1-566-758-11	o	CONNECTOR 3P, MALE
PH202	8-749-010-69	s	PHOTO INTERUPTER GP158V

SE-495 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-534-11	o	PRINTED WIRING BOARD, SE-495
CN201	1-566-758-11	o	CONNECTOR 3P, MALE
PH201	8-749-010-69	s	PHOTO INTERUPTER GP158V

SE-496 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-535-11	o	PRINTED WIRING BOARD, SE-496
CN203	1-566-758-11	o	CONNECTOR 3P, MALE
PH203	8-749-010-69	s	PHOTO INTERUPTER GP158V

SU-43 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-536-11	o	PRINTED WIRING BOARD, SU-43

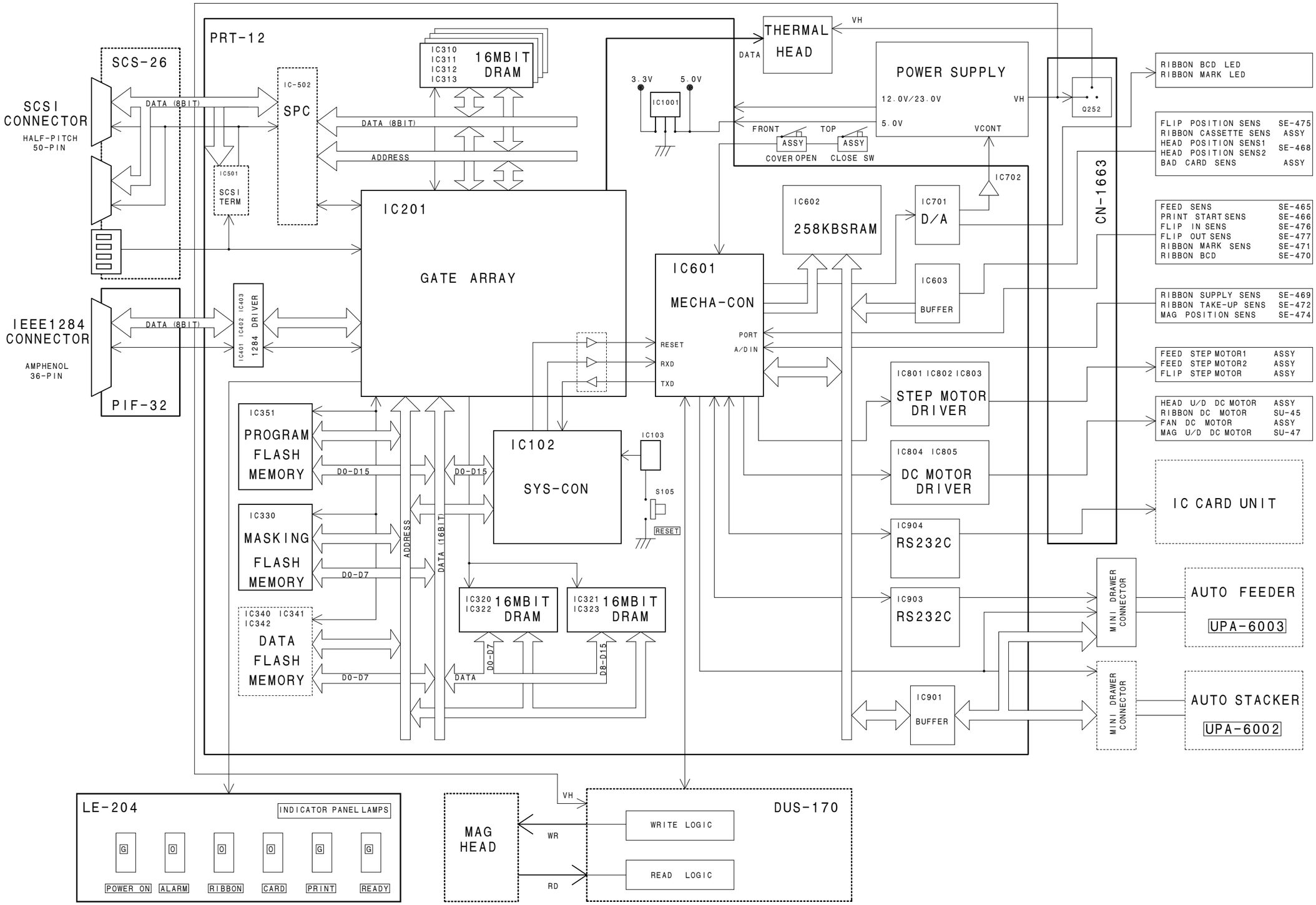
SU-44 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-670-562-11	o	PRINTED WIRING BOARD, SU-44

PACKING MATERIALS

Ref. No. or Q'ty	Part No.	SP	Description
1pc	4-875-574-00	s	SHEET, PROTECTION

SECTION 8
BLOCK DIAGRAM



http://getMANUAL.com

SECTION 9
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note: The components identified by mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

PIF-32

TO PARALLEL DATA INTERFACE (Amphenole 36pin connector x1)

CN101 36P	
1	nSTROBE
2	DATA1
3	DATA2
4	DATA3
5	DATA4
6	DATA5
7	DATA6
8	DATA7
9	DATA8
10	nACK
11	BUSY
12	PERROR
13	SELECT
14	nAUTOFD
15	NotDefined
16	LOGIC GND
17	CHASSIS GND
18	PeripheralLogicHigh
19	SIGNAL GND
20	SIGNAL GND
21	SIGNAL GND
22	SIGNAL GND
23	SIGNAL GND
24	SIGNAL GND
25	SIGNAL GND
26	SIGNAL GND
27	SIGNAL GND
28	SIGNAL GND
29	SIGNAL GND
30	SIGNAL GND
31	nINIT
32	nFAULT
33	NotDefined
34	NotDefined
35	NotDefined
36	nSELECTIN

CN102 22P	
SIGNAL GND	22
nSELECTIN	21
PeripheralLogicHigh	20
nFAULT	19
nAUTOFD	18
nINIT	17
SELECT	16
PERROR	15
BUSY	14
nACK	13
NC	12
SIGNAL GND	11
DATA8	10
DATA7	9
DATA6	8
DATA5	7
DATA4	6
DATA3	5
DATA2	4
DATA1	3
nSTROBE	2
SIGNAL GND	1

CN101 50P			
1	GND	DB0	26
2	GND	DB1	27
3	GND	DB2	28
4	GND	DB3	29
5	GND	DB4	30
6	GND	DB5	31
7	GND	DB6	32
8	GND	DB7	33
9	GND	DBP	34
10	GND	GND	35
11	GND	GND	36
12	RSV	RSV	37
13	N.C.	TERM POWER	38
14	GND	GND	39
15	GND	GND	40
16	GND	ATN	41
17	GND	GND	42
18	GND	BSY	43
19	GND	ACK	44
20	GND	RST	45
21	GND	MSG	46
22	GND	SEL	47
23	GND	C/D	48
24	GND	REQ	49
25	GND	I/O	50

CN103 30P	
GND	30
I/O	29
REQ	28
C/D	27
SEL	26
MSG	25
RST	24
ACK	23
BSY	22
GND	21
ATN	20
GND	19
NC	18
TERM POWER	17
TERM POWER	16
DBP	15
DB7	14
DB6	13
DB5	12
DB4	11
DB3	10
DB2	9
DB1	8
DB0	7
GND	6
ID1	5
ID2	4
ID4	3
TERM	2
GND	1

TO PRT-12/CN501

TO SCSI (Half-pitch 50pin connectorx2)

CN102 50P			
1	GND	DB0	26
2	GND	DB1	27
3	GND	DB2	28
4	GND	DB3	29
5	GND	DB4	30
6	GND	DB5	31
7	GND	DB6	32
8	GND	DB7	33
9	GND	DBP	34
10	GND	GND	35
11	GND	GND	36
12	RSV	RSV	37
13	N.C.	TERM POWER	38
14	GND	GND	39
15	GND	GND	40
16	GND	ATN	41
17	GND	GND	42
18	GND	BSY	43
19	GND	ACK	44
20	GND	RST	45
21	GND	MSG	46
22	GND	SEL	47
23	GND	C/D	48
24	GND	REQ	49
25	GND	I/O	50

SCS-26

CN601 + UP-D6500

GND	30	29	TERM
ID4	28	27	ID2
ID1	26	25	GND
DB0	24	23	DB1
DB2	22	21	DB3
DB4	20	19	DB5
DB6	18	17	DB7
DBP	16	15	TERM POWER
TERM POWER	14	13	NC
GND	12	11	ATN
GND	10	9	BSY
ACK	8	7	RST
MSG	6	5	SEL
C/D	4	3	REQ
I/O	2	1	GND

SU-43

CN206 2P			CN110
	1	1	M1 OUT A
	2	2	M1 OUT B

SU-44

CN205 2P			CN111
	1	1	M2 OUT A
	2	2	M2 OUT B

SE-495

CN201 3P			CN103
ANO	1	1	LED
OUT	2	2	UPPER_SENS
GND	3	3	GND

SE-494

CN202 3P			CN107
ANO	1	1	LED
OUT	2	2	BOTTOM_SENS
GND	3	3	GND

SE-496

CN203 3P			CN104
ANO	1	1	LED
OUT	2	2	*CARD_EMPTY_SENS
GND	3	3	GND

SE-493

CN204 3P			CN105
ANO	1	1	LED
OUT	2	2	CARD_INSERTION_SENS
GND	3	3	GND

TO COVER OPEN SWITCH

			CN106
	1	1	COVER_OPEN_SENS
	2	2	GND

CN109 TO NEXT UNIT

1	2	3	4	5	6	7	8	9	10	11
5V	12V	ED0	ED1	ED2	ED3	ED4	ED5	ED6	ED7	RD

CN108 TO NEXT UNIT

1	2	3	4	5	6	7	8	9	10	11
WR	NC	SEL_B_OUT	NC	GND	NC	NC	NC	NC	GND	M_GND

AUTO FEEDER
DUS-169
UPA-6003

CN101 11P	
5V	1
12V	2
ED0	3
ED1	4
ED2	5
ED3	6
ED4	7
ED5	8
ED6	9
ED7	10
RD	11

CN102 11P	
WR	1
RESET_OUT	2
SELECT_A	3
SELECT_B	4
	5
NC	6
NC	7
NC	8
NC	9
GND	10
M_GND	11

SU-43

CN206 2P			CN110
	1	1	M1 OUT A
	2	2	M1 OUT B

SU-44

CN205 2P			CN111
	1	1	M2 OUT A
	2	2	M2 OUT B

SE-495

CN201 3P			CN103
ANO	1	1	LED
OUT	2	2	UPPER_SENS
GND	3	3	GND

SE-494

CN202 3P			CN107
ANO	1	1	LED
OUT	2	2	BOTTOM_SENS
GND	3	3	GND

SE-496

CN203 3P			CN104
ANO	1	1	LED
OUT	2	2	*CARD_EMPTY_SENS
GND	3	3	GND

SE-493

CN204 3P			CN105
ANO	1	1	LED
OUT	2	2	CARD_INSERTION_SENS
GND	3	3	GND

TO COVER OPEN SWITCH

			CN106
	1	1	COVER_OPEN_SENS
	2	2	GND

CN109 TO NEXT UNIT

1	2	3	4	5	6	7	8	9	10	11
5V	12V	ED0	ED1	ED2	ED3	ED4	ED5	ED6	ED7	RD

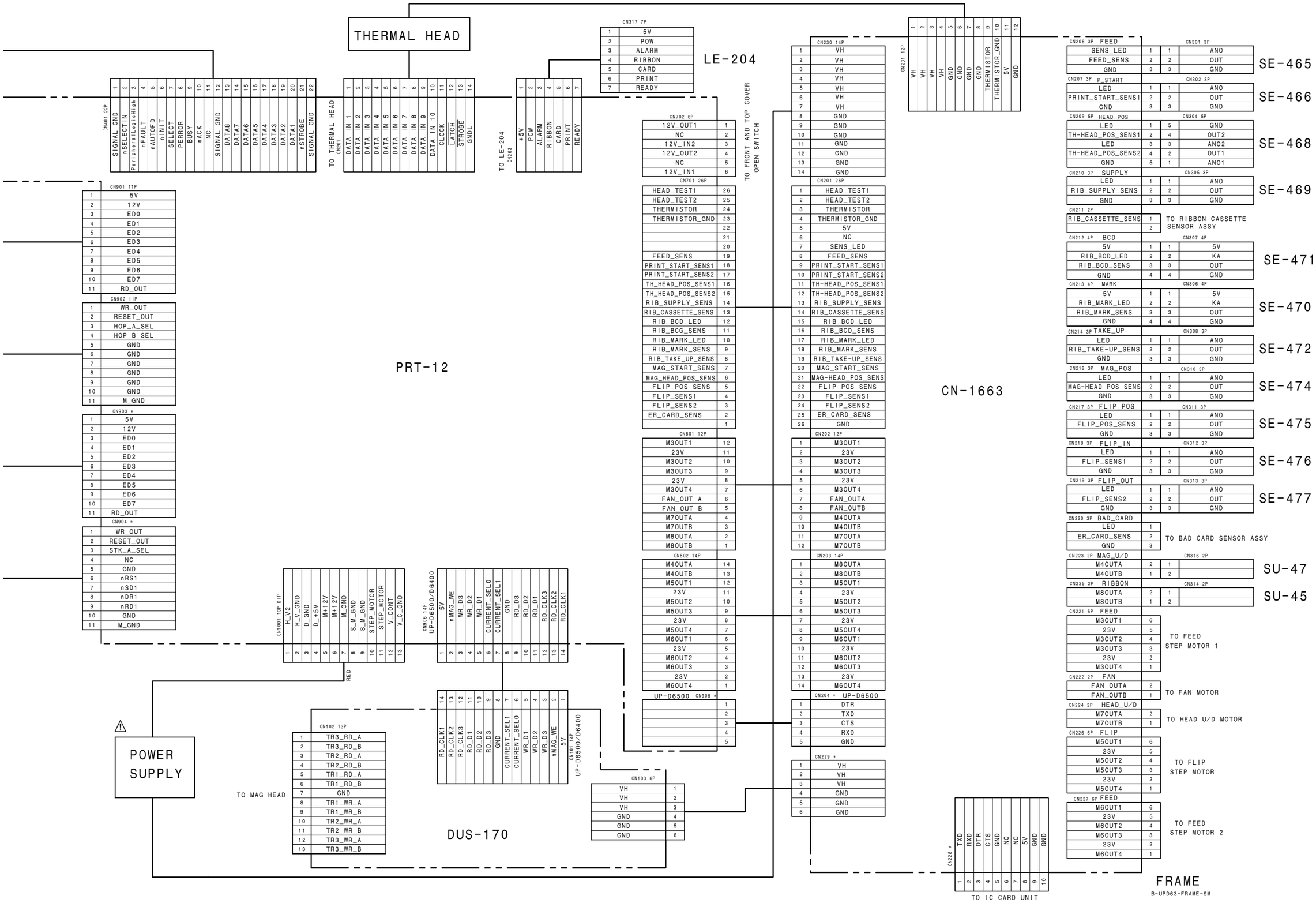
CN108 TO NEXT UNIT

1	2	3	4	5	6	7	8	9	10	11
WR	NC	SEL_B_OUT	NC	GND	NC	NC	NC	NC	GND	M_GND

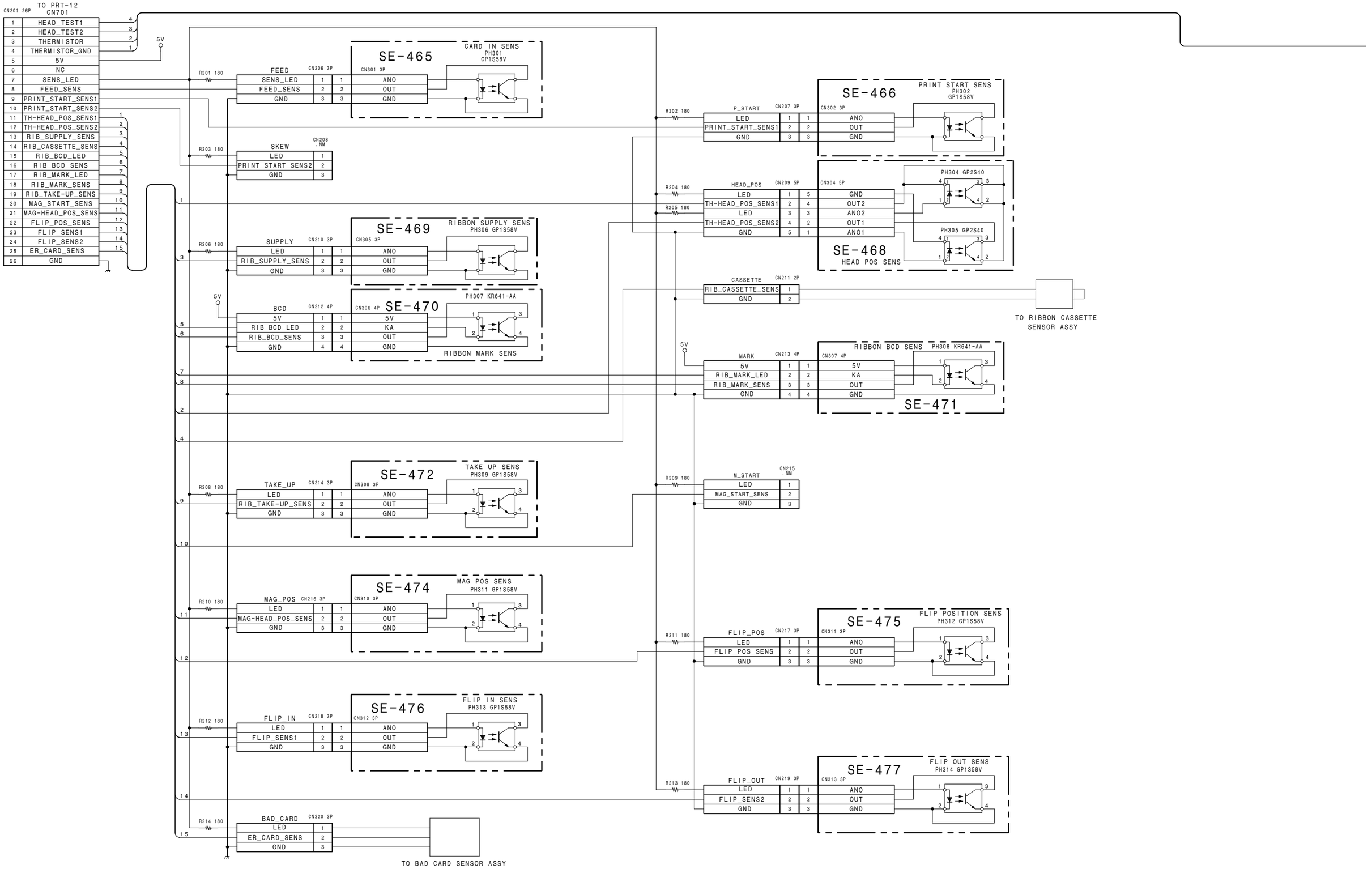
AUTO STACKER
DUS-169
UPA-6002

CN101 11P	
5V	1
12V	2
ED0	3
ED1	4
ED2	5
ED3	6
ED4	7
ED5	8
ED6	9
ED7	10
RD	11

CN102 11P	
WR	1
RESET_OUT	2
SELECT_A	3
SELECT_B	4
	5
NC	6
NC	7
NC	8
NC	9
GND	10
M_GND	11

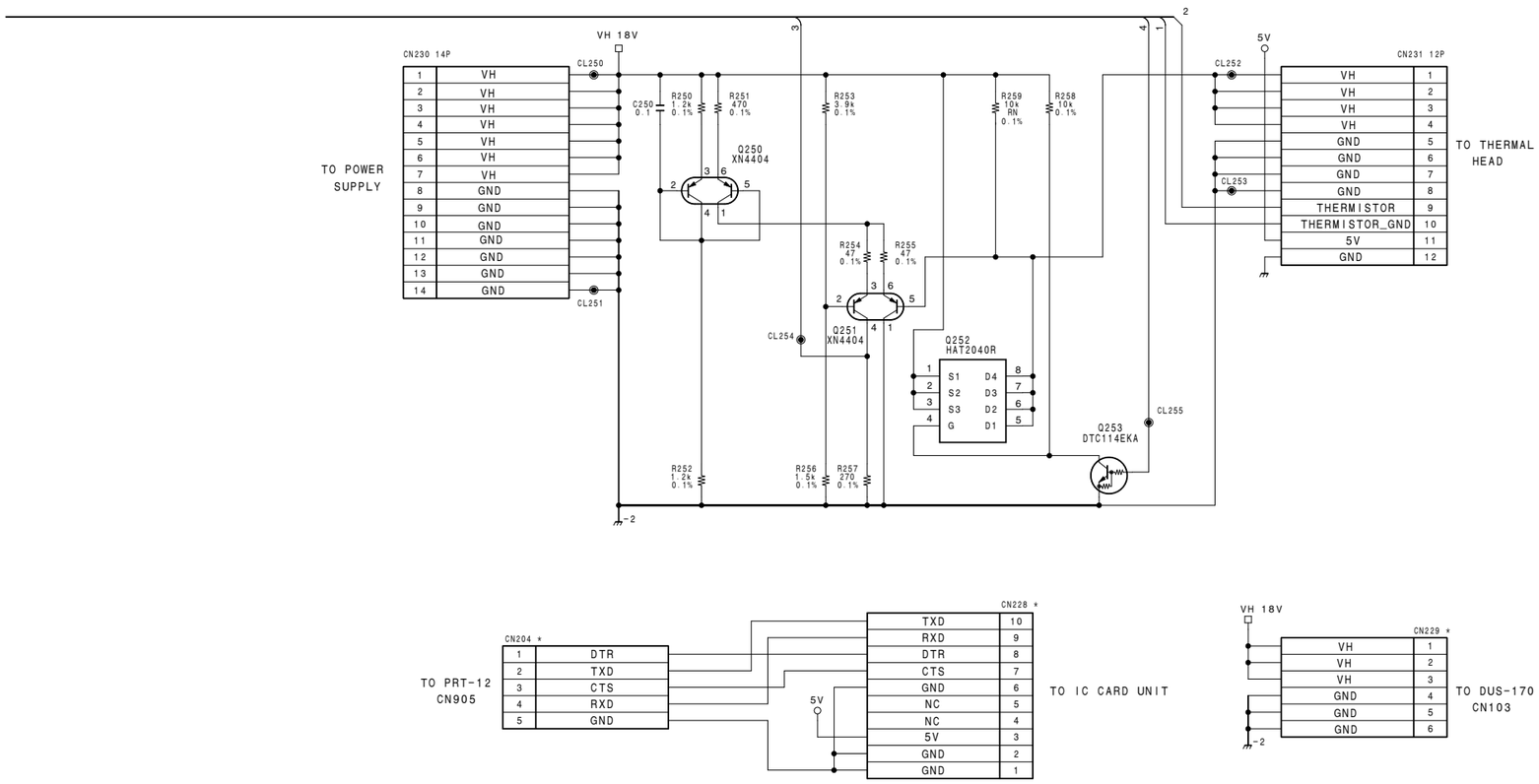

THERMAL HEAD
LE-204
PRT-12
CN-1663
DUS-170
POWER SUPPLY
TO MAG HEAD
TO THERMAL HEAD CN201
TO LE-204 CN203
TO FRONT AND TOP COVER OPEN SWITCH
CN401 22P
SIGNAL GND
nSELECT IN
PeripheralLogicHigh
nFAULT
nAUTOFD
nINIT
SELECT
PERROR
BUSY
nACK
NC
SIGNAL GND
DATA8
DATA7
DATA6
DATA5
DATA4
DATA3
DATA2
DATA1
nSTROBE
SIGNAL GND
CN317 7P
5V
POW
ALARM
RIBBON
CARD
PRINT
READY
CN702 6P
12V_OUT1
NC
12V_IN2
12V_OUT2
NC
12V_IN1
CN701 26P
HEAD_TEST1
HEAD_TEST2
THERMISTOR
THERMISTOR_GND
FEED_SENS
PRINT_START_SENS1
PRINT_START_SENS2
TH_HEAD_POS_SENS1
TH_HEAD_POS_SENS2
RIB_SUPPLY_SENS
RIB_CASSETTE_SENS
RIB_BCD_LED
RIB_BCG_SENS
RIB_MARK_LED
RIB_MARK_SENS
RIB_TAKE_UP_SENS
MAG_START_SENS
MAG_HEAD_POS_SENS
FLIP_POS_SENS
FLIP_SENS1
FLIP_SENS2
ER_CARD_SENS
CN801 12P
M3OUT1
23V
M3OUT2
M3OUT3
23V
M3OUT4
FAN_OUT A
FAN_OUT B
M7OUTA
M7OUTB
M8OUTA
M8OUTB
CN802 14P
M4OUTA
M4OUTB
M5OUT1
23V
M5OUT2
M5OUT3
23V
M5OUT4
M6OUT1
23V
M6OUT2
M6OUT3
23V
M6OUT4
UP-D6500 CN905 *
CN230 14P
VH
GND
CN201 26P
CN202 12P
CN203 14P
CN204 * UP-D6500
DTR
TXD
CTS
RXD
GND
CN229 *
CN231 12P
THERMISTOR
THERMISTOR_GND
5V
CN901 11P
12V
ED0
ED1
ED2
ED3
ED4
ED5
ED6
ED7
RD_OUT
CN902 11P
WR_OUT
RESET_OUT
HOP_A_SEL
HOP_B_SEL
M_GND
CN903 *
STK_A_SEL
NC
nRS1
nSD1
nDR1
nRD1
CN904 *
CN1001 13P DIP
H_V2
H_V_GND
D_GND
D_+5V
M+12V
M_GND
S_M_GND
STEP_MOTOR
V_CONT
V_C_GND
RED
CN906 14P UP-D6500/D6400
nMAG_WE
WR_D3
WR_D2
WR_D1
CURRENT_SEL0
CURRENT_SEL1
RD_D3
RD_D2
RD_D1
RD_CLK3
RD_CLK2
RD_CLK1
CN907 14P UP-D6500/D6400
CN102 13P
TR3_RD_A
TR3_RD_B
TR2_RD_A
TR2_RD_B
TR1_RD_A
TR1_RD_B
TR1_WR_A
TR1_WR_B
TR2_WR_A
TR2_WR_B
TR3_WR_A
TR3_WR_B
CN103 6P
CN206 3P FEED
SENS_LED
FEED_SENS
CN207 3P P_START
PRINT_START_SENS1
CN209 5P HEAD_POS
TH-HEAD_POS_SENS1
TH-HEAD_POS_SENS2
CN210 3P SUPPLY
RIB_SUPPLY_SENS
CN211 2P
RIB_CASSETTE_SENS
CN212 4P BCD
RIB_BCD_LED
RIB_BCD_SENS
CN213 4P MARK
RIB_MARK_LED
RIB_MARK_SENS
CN214 3P TAKE_UP
RIB_TAKE-UP_SENS
CN216 3P MAG_POS
MAG-HEAD_POS_SENS
CN217 3P FLIP_POS
FLIP_POS_SENS
CN218 3P FLIP_IN
FLIP_SENS1
CN219 3P FLIP_OUT
FLIP_SENS2
CN220 3P BAD_CARD
ER_CARD_SENS
CN223 2P MAG_U/D
CN225 2P RIBBON
CN221 6P FEED
CN222 2P FAN
FAN_OUTA
FAN_OUTB
CN224 2P HEAD_U/D
CN226 6P FLIP
CN227 6P FEED
CN228 *
TXD
RXD
DTR
CTS
GND
NC
NC
5V
GND
GND
TO IC CARD UNIT
CN301 3P
ANO
OUT
GND
CN302 3P
CN304 5P
OUT2
ANO2
OUT1
ANO1
CN305 3P
CN307 4P
5V
KA
CN306 4P
CN308 3P
CN310 3P
CN311 3P
CN312 3P
CN313 3P
CN316 2P
CN314 2P
TO RIBBON CASSETTE SENSOR ASSY
TO BAD CARD SENSOR ASSY
TO FEED STEP MOTOR 1
TO FAN MOTOR
TO HEAD U/D MOTOR
TO FLIP STEP MOTOR
TO FEED STEP MOTOR 2
SE-465
SE-466
SE-468
SE-469
SE-471
SE-470
SE-472
SE-474
SE-475
SE-476
SE-477
SU-47
SU-45
FRAME
B-UPD63-FRAME-SM

CN-1663, SE-465, SE-466, SE-468, SE-469, SE-470, SE-471,
SE-472, SE-474, SE-475, SE-476, SE-477, SU-45, SU-47

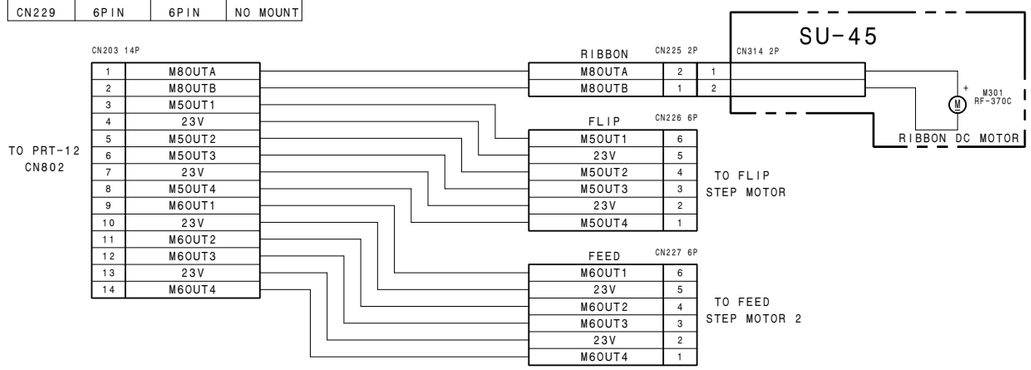


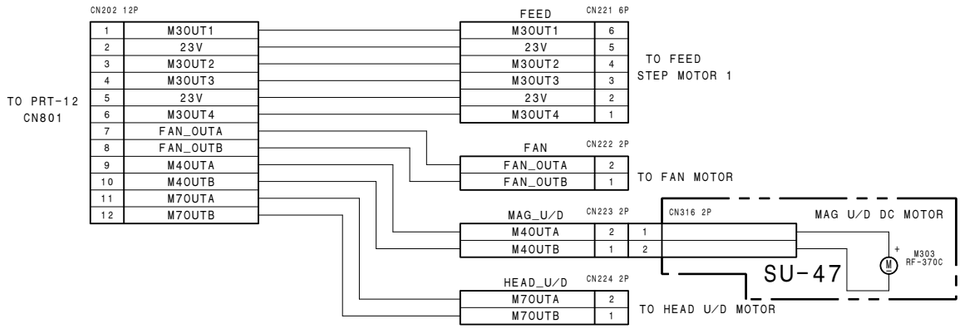
9-4

CN-1663, SE-465, SE-466, SE-468, SE-469, SE-470, SE-471, SE-472, SE-474, SE-475, SE-476, SE-477, SU-45, SU-47



Ref.No.	UP-D6500	UP-D6400	UP-D6300
CN204	5PIN	NO MOUNT	NO MOUNT
CN228	10PIN	NO MOUNT	NO MOUNT
CN229	6PIN	6PIN	NO MOUNT

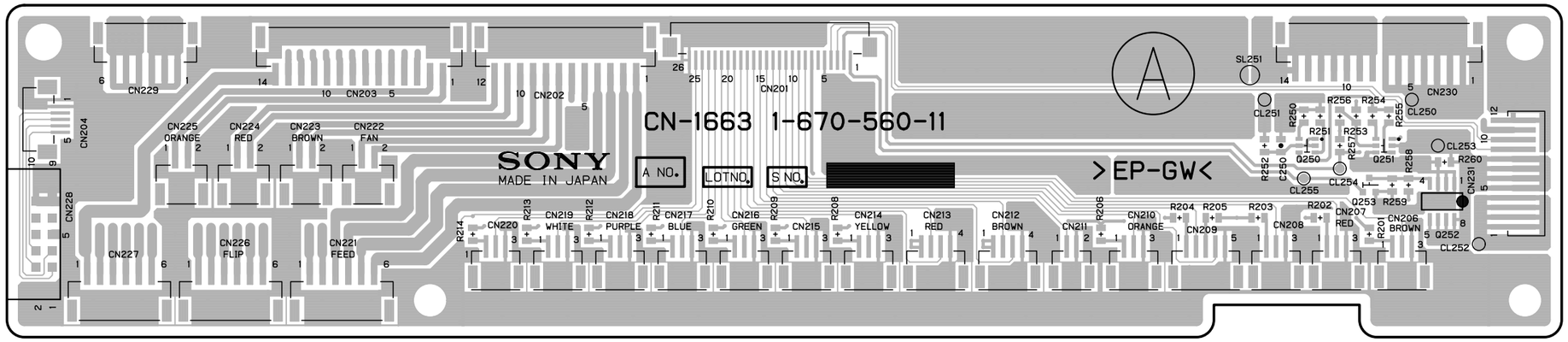




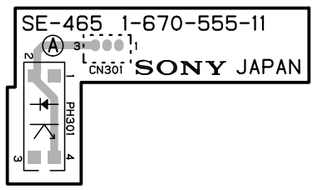
CN-1663

B-UPD63-CN1663-SM

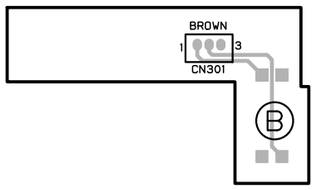
CN-1663, SE-465, SE-466, SE-468, SE-470, SE-471, SE-472



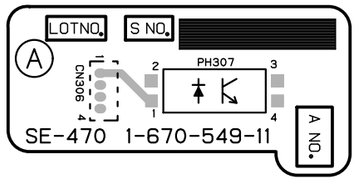
CN-1663 -A SIDE-
SUFFIX : -11



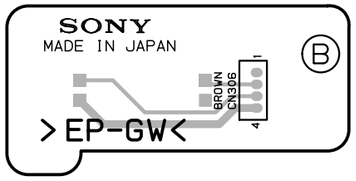
SE-465 -A SIDE-
SUFFIX : -11



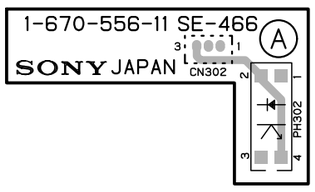
SE-465 -B SIDE-
SUFFIX : -11



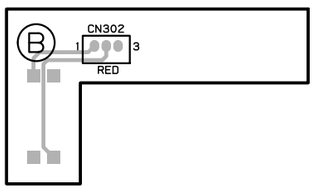
SE-470 -A SIDE-
SUFFIX : -11



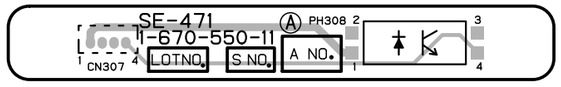
SE-470 -B SIDE-
SUFFIX : -11



SE-466 -A SIDE-
SUFFIX : -11

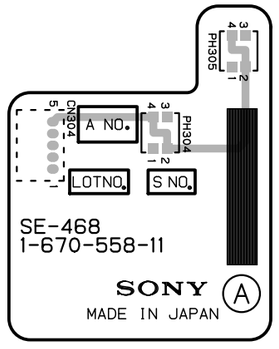


SE-466 -B SIDE-
SUFFIX : -11

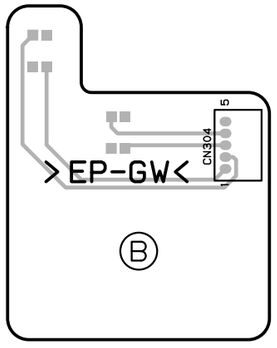


SE-471 -A SIDE-
SUFFIX : -11

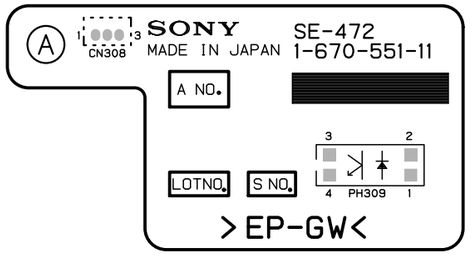
SE-471 -B SIDE-
SUFFIX : -11



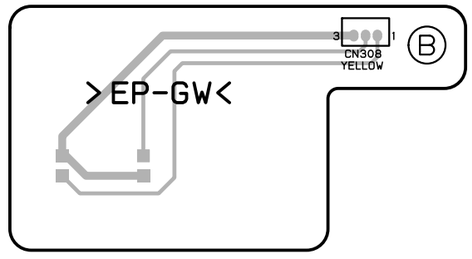
SE-468 -A SIDE-
SUFFIX : -11



SE-468 -B SIDE-
SUFFIX : -11

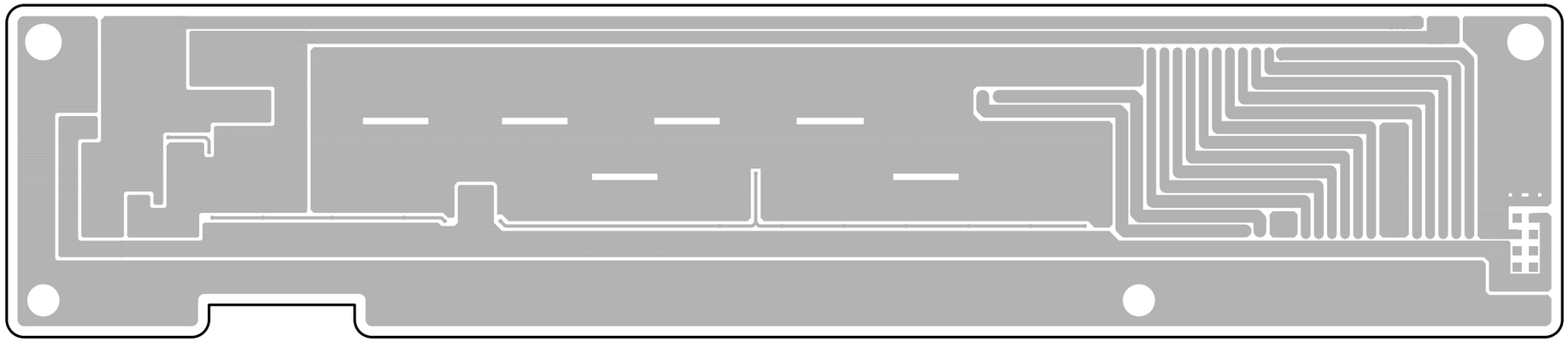


SE-472 -A SIDE-
SUFFIX : -11

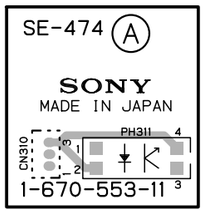


SE-472 -B SIDE-
SUFFIX : -11

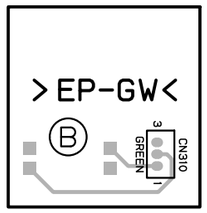
CN-1663, SE-469, SE-474, SE-475, SE-476, SE-477, SU-45, SU-47



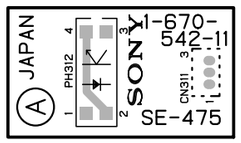
CN-1663 -B SIDE-
SUFFIX : -11



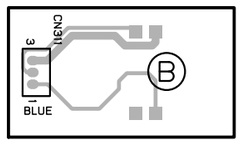
SE-474 -A SIDE-
SUFFIX : -11



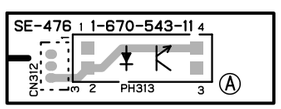
SE-474 -B SIDE-
SUFFIX : -11



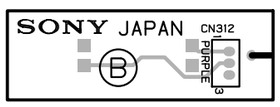
SE-475 -A SIDE-
SUFFIX : -11



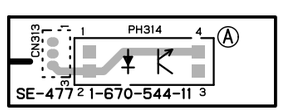
SE-475 -B SIDE-
SUFFIX : -11



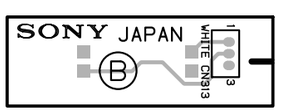
SE-476 -A SIDE-
SUFFIX : -11



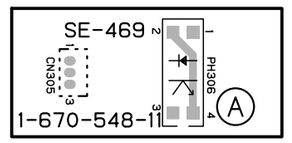
SE-476 -B SIDE-
SUFFIX : -11



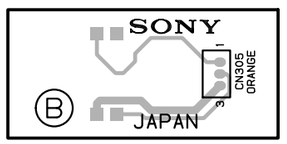
SE-477 -A SIDE-
SUFFIX : -11



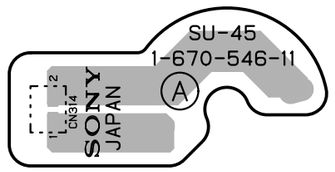
SE-477 -B SIDE-
SUFFIX : -11



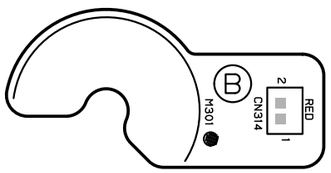
SE-469 -A SIDE-
SUFFIX : -11



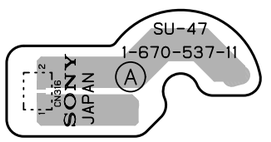
SE-469 -B SIDE-
SUFFIX : -11



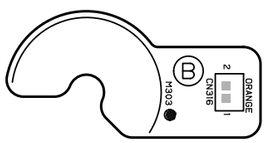
SU-45 -A SIDE-
SUFFIX : -11



SU-45 -B SIDE-
SUFFIX : -11

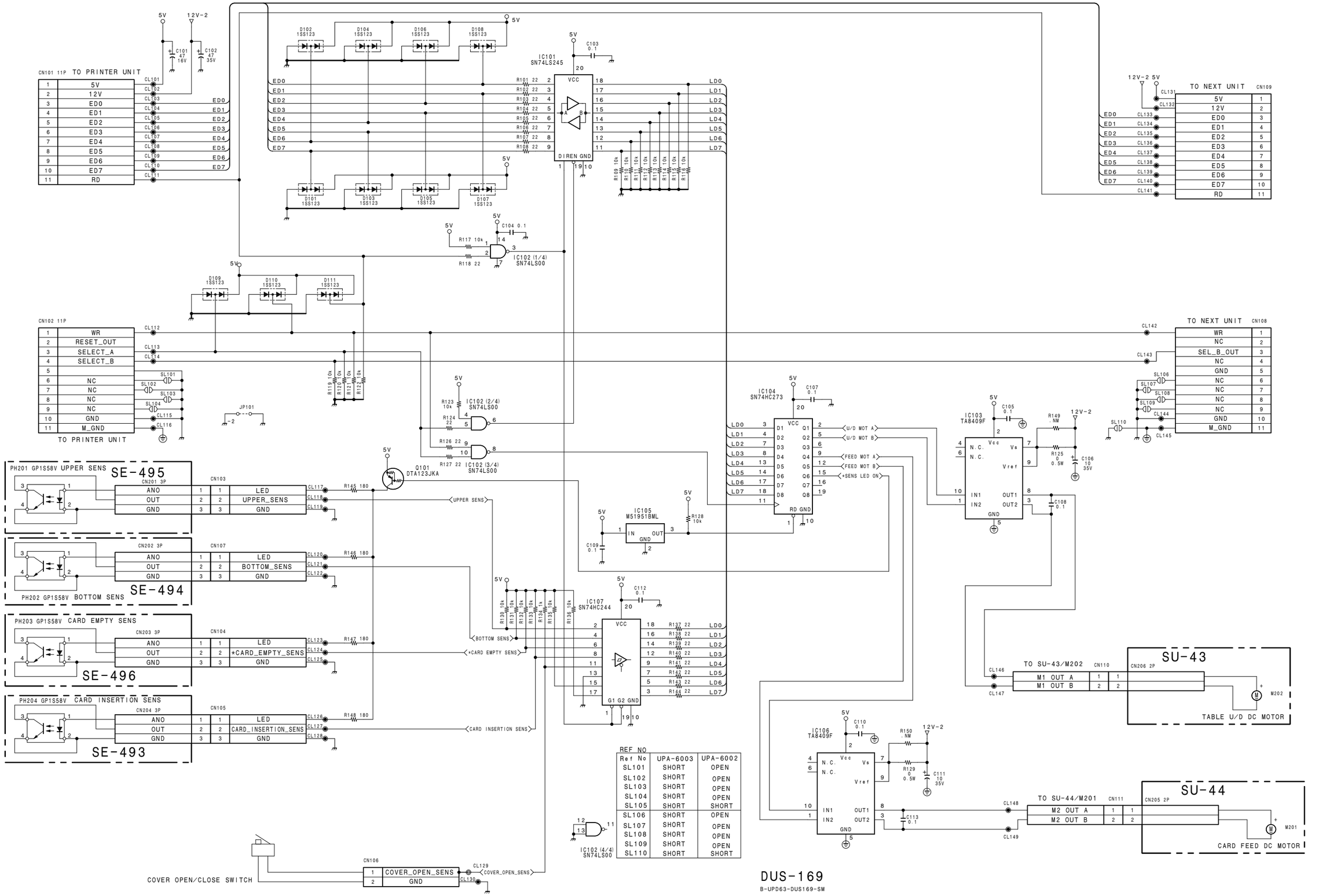


SU-47 -A SIDE-
SUFFIX : -11



SU-47 -B SIDE-
SUFFIX : -11

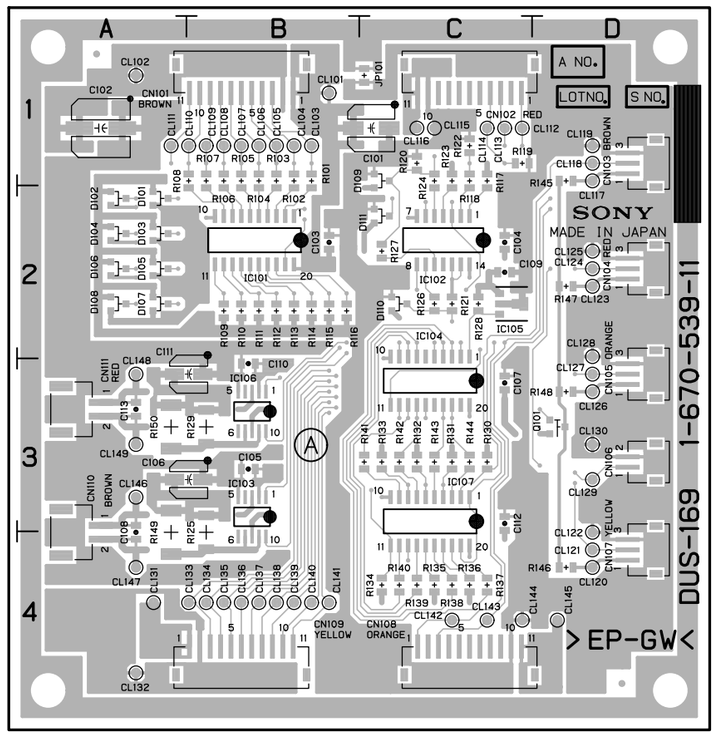
DUS-169, SE-493, SE-494, SE-495, SE-496, SU-43, SU-44



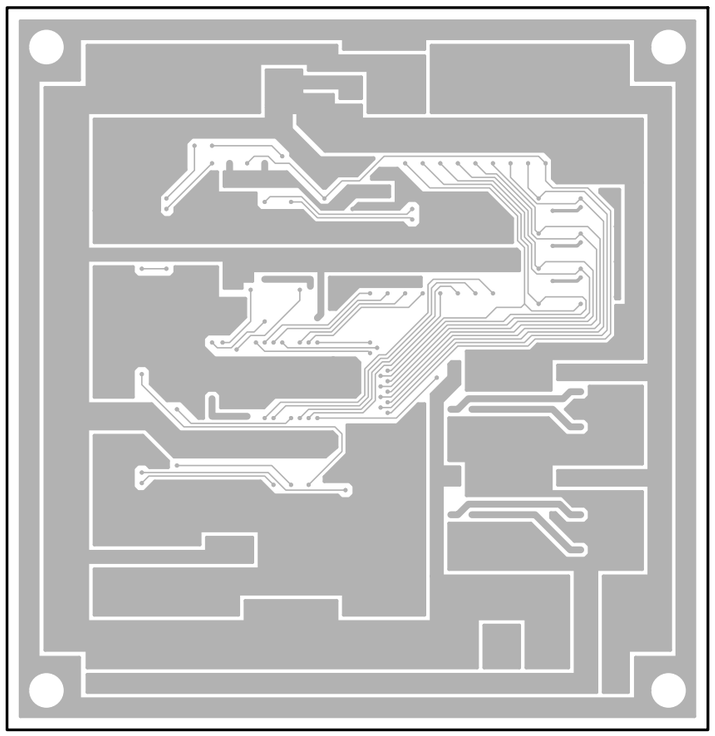
REF NO		
Ref No	UPA-6003	UPA-6002
SL101	SHORT	OPEN
SL102	SHORT	OPEN
SL103	SHORT	OPEN
SL104	SHORT	OPEN
SL105	SHORT	SHORT
SL106	SHORT	OPEN
SL107	SHORT	OPEN
SL108	SHORT	OPEN
SL109	SHORT	OPEN
SL110	SHORT	SHORT

DUS-169
B-UPD63-DUS169-SM

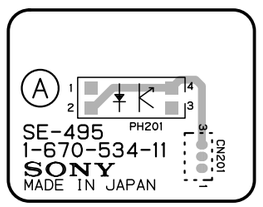
DUS-169, SE-493, SE-494, SE-495, SE-496, SU-43, SU-44



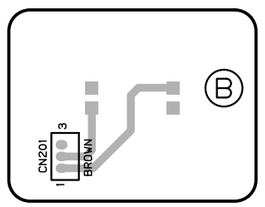
DUS-169 -A SIDE-
SUFFIX : -11



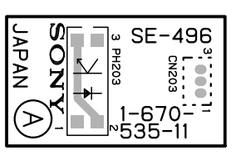
DUS-169 -B SIDE-
SUFFIX : -11



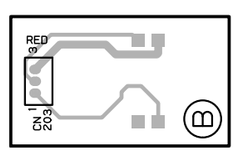
SE-495 -A SIDE-
SUFFIX : -11



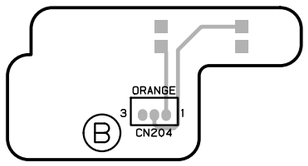
SE-495 -B SIDE-
SUFFIX : -11



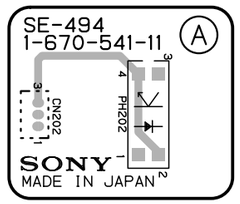
SE-496 -A SIDE-
SUFFIX : -11



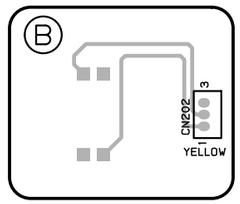
SE-496 -B SIDE-
SUFFIX : -11



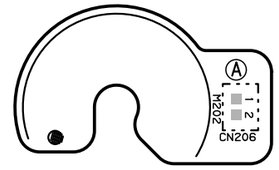
SE-493 -B SIDE-
SUFFIX : -11



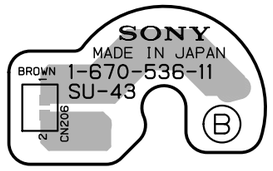
SE-494 -A SIDE-
SUFFIX : -11



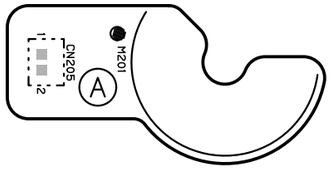
SE-494 -B SIDE-
SUFFIX : -11



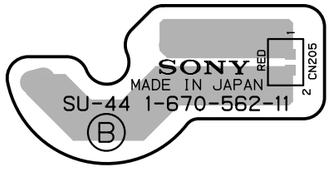
SU-43 -A SIDE-
SUFFIX : -11



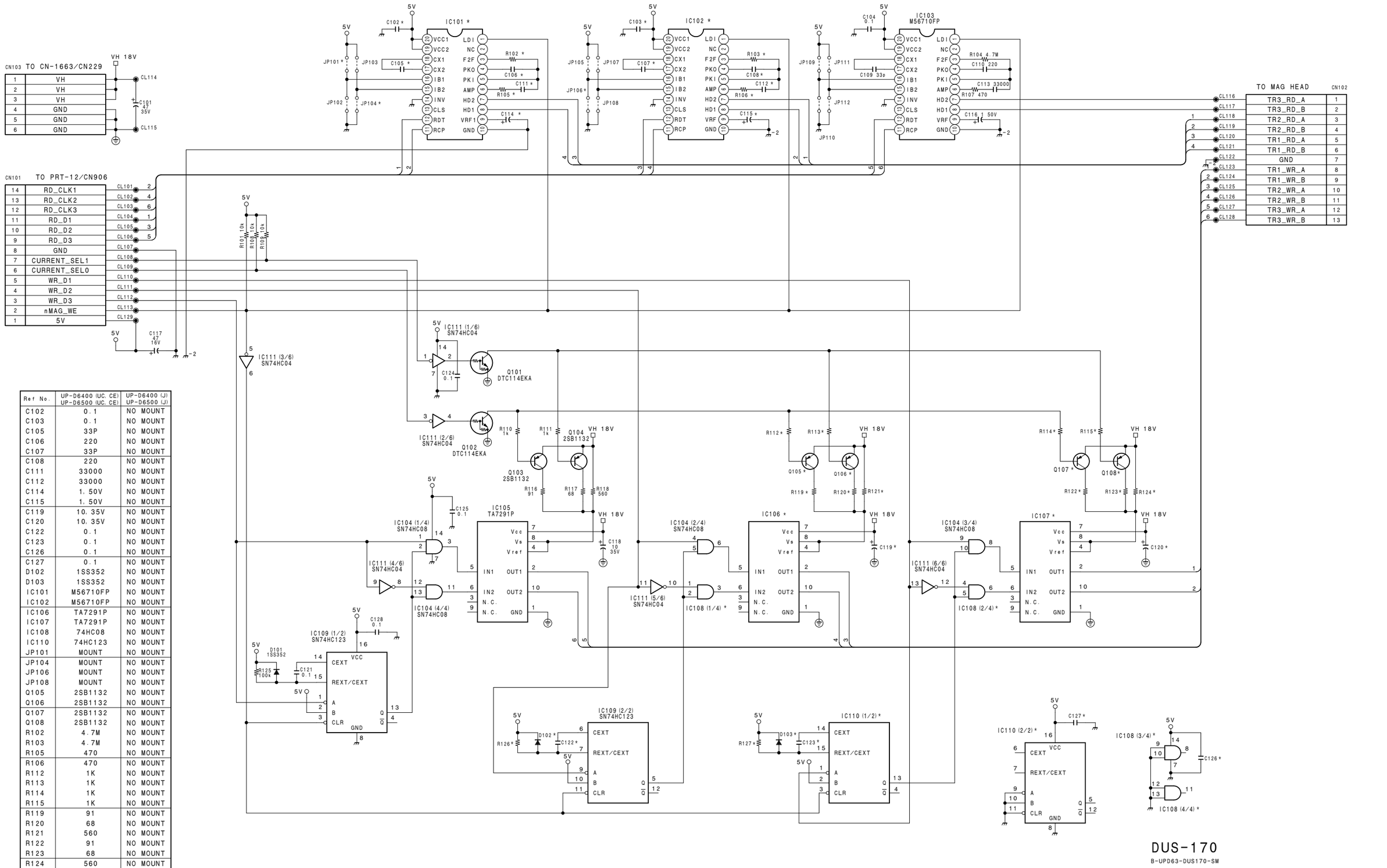
SU-43 -B SIDE-
SUFFIX : -11



SU-44 -A SIDE-
SUFFIX : -11

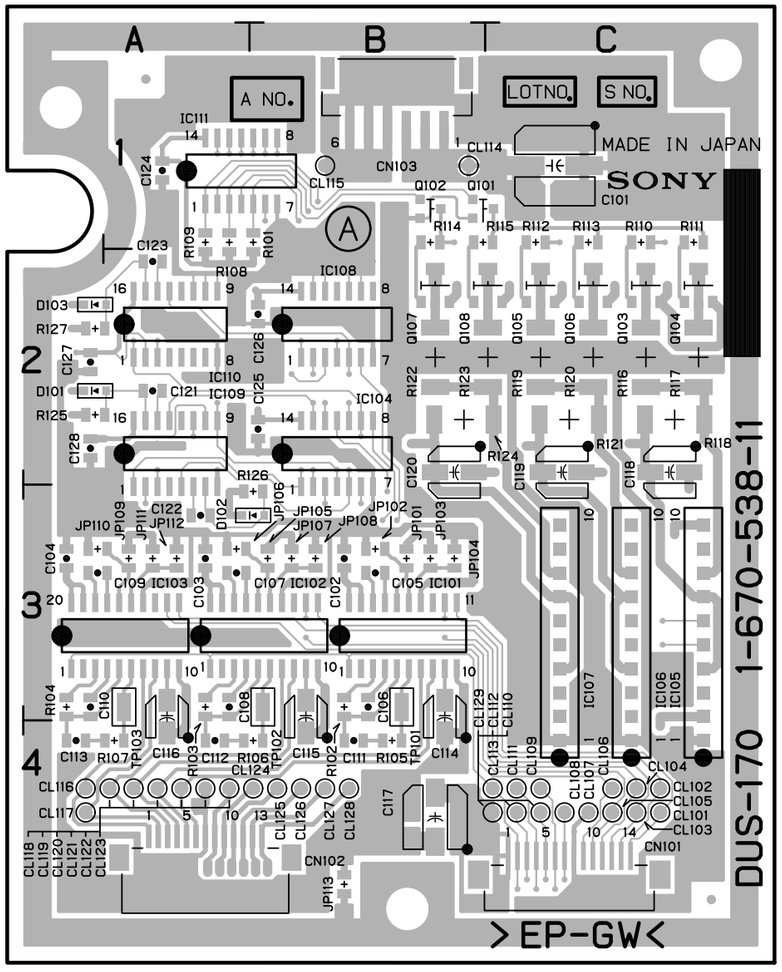


SU-44 -B SIDE-
SUFFIX : -11

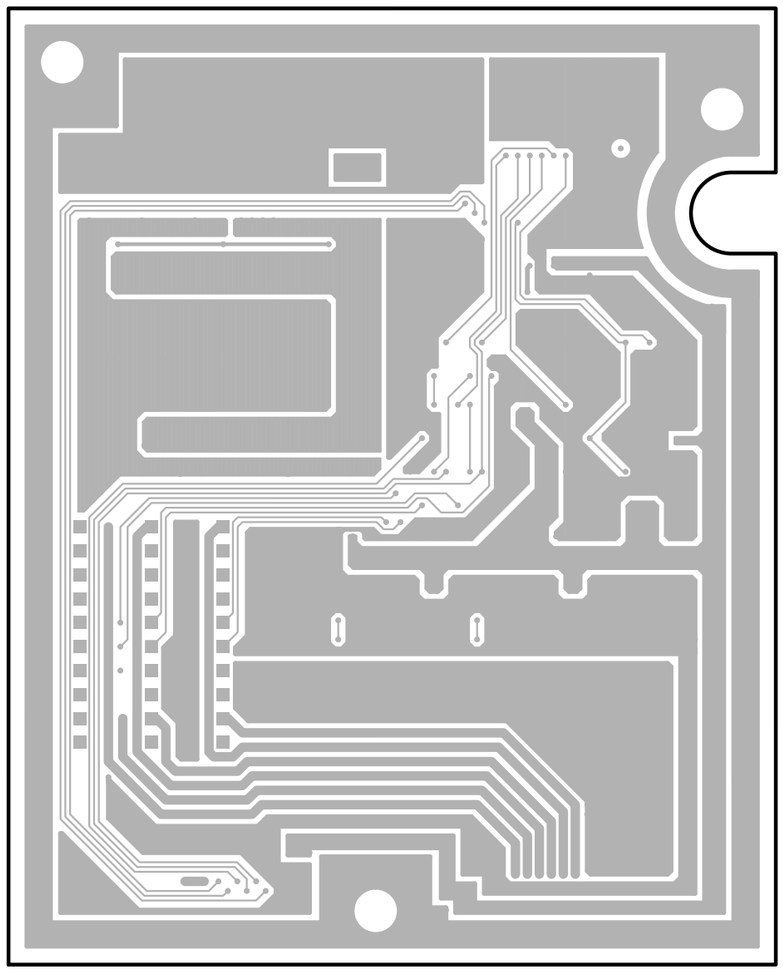


Ref No.	UP-D6400 (UC, CE) UP-D6500 (UC, CE)	UP-D6400 (J) UP-D6500 (J)
C102	0.1	NO MOUNT
C103	0.1	NO MOUNT
C105	33P	NO MOUNT
C106	220	NO MOUNT
C107	33P	NO MOUNT
C108	220	NO MOUNT
C111	33000	NO MOUNT
C112	33000	NO MOUNT
C114	1, 50V	NO MOUNT
C115	1, 50V	NO MOUNT
C119	10, 35V	NO MOUNT
C120	10, 35V	NO MOUNT
C122	0.1	NO MOUNT
C123	0.1	NO MOUNT
C126	0.1	NO MOUNT
C127	0.1	NO MOUNT
D102	1SS352	NO MOUNT
D103	1SS352	NO MOUNT
IC101	M56710FP	NO MOUNT
IC102	M56710FP	NO MOUNT
IC106	TA7291P	NO MOUNT
IC107	TA7291P	NO MOUNT
IC108	74HC08	NO MOUNT
IC110	74HC123	NO MOUNT
JP101	MOUNT	NO MOUNT
JP104	MOUNT	NO MOUNT
JP106	MOUNT	NO MOUNT
JP108	MOUNT	NO MOUNT
Q105	2SB1132	NO MOUNT
Q106	2SB1132	NO MOUNT
Q107	2SB1132	NO MOUNT
Q108	2SB1132	NO MOUNT
R102	4.7M	NO MOUNT
R103	4.7M	NO MOUNT
R105	470	NO MOUNT
R106	470	NO MOUNT
R112	1K	NO MOUNT
R113	1K	NO MOUNT
R114	1K	NO MOUNT
R115	1K	NO MOUNT
R119	91	NO MOUNT
R120	68	NO MOUNT
R121	560	NO MOUNT
R122	91	NO MOUNT
R123	68	NO MOUNT
R124	560	NO MOUNT
R126	100K	NO MOUNT
R127	100K	NO MOUNT

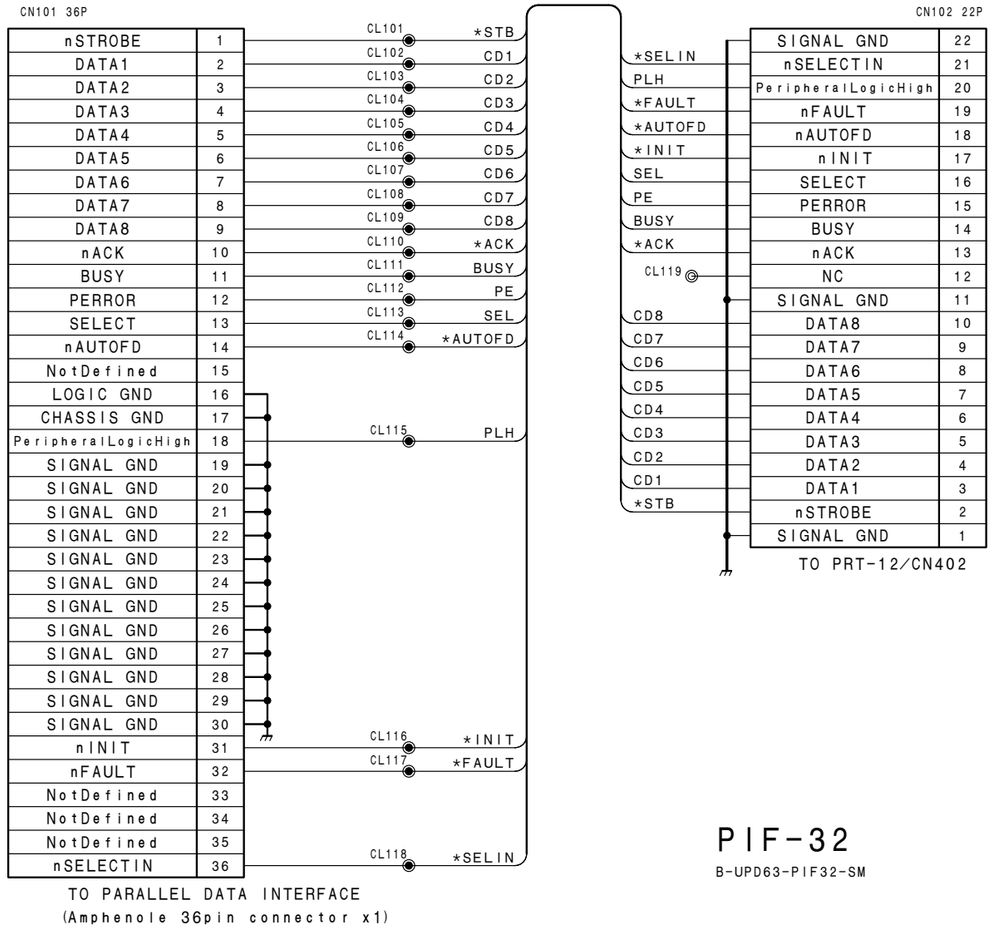
http://getMANUAL.com



DUS-170 **-A SIDE-**
SUFFIX : -11

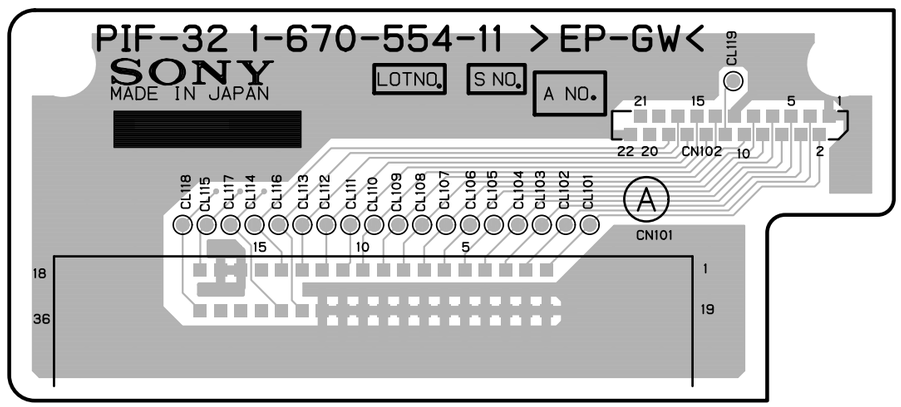


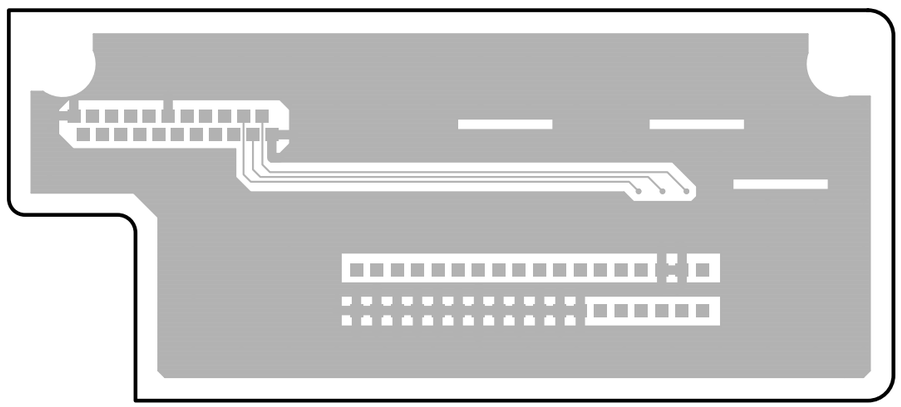
DUS-170 **-B SIDE-**
SUFFIX : -11



PIF-32

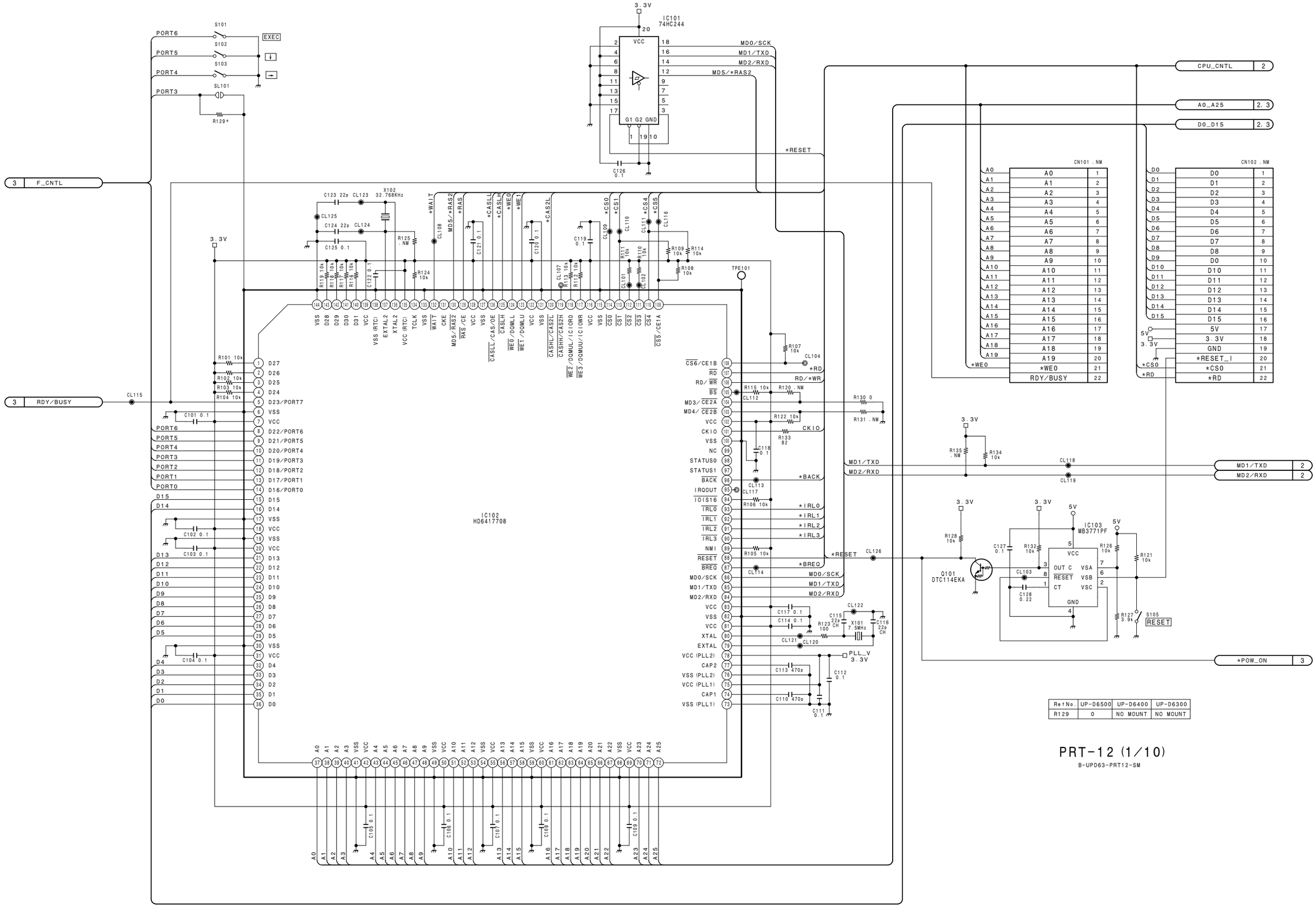
B-UPD63-PIF32-SM





PIF-32 -A SIDE-
SUFFIX : -11

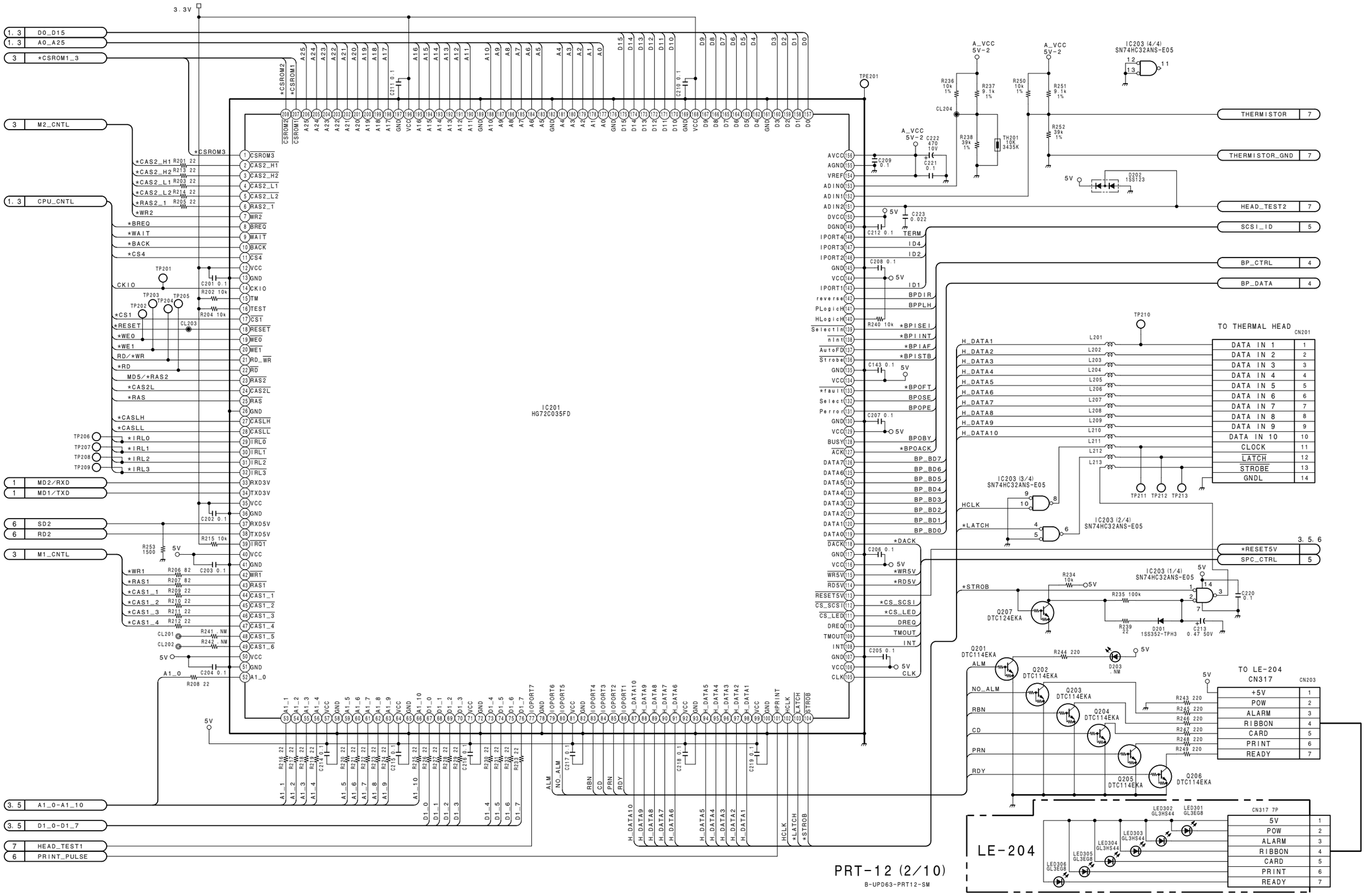
PIF-32 -B SIDE-
SUFFIX : -11



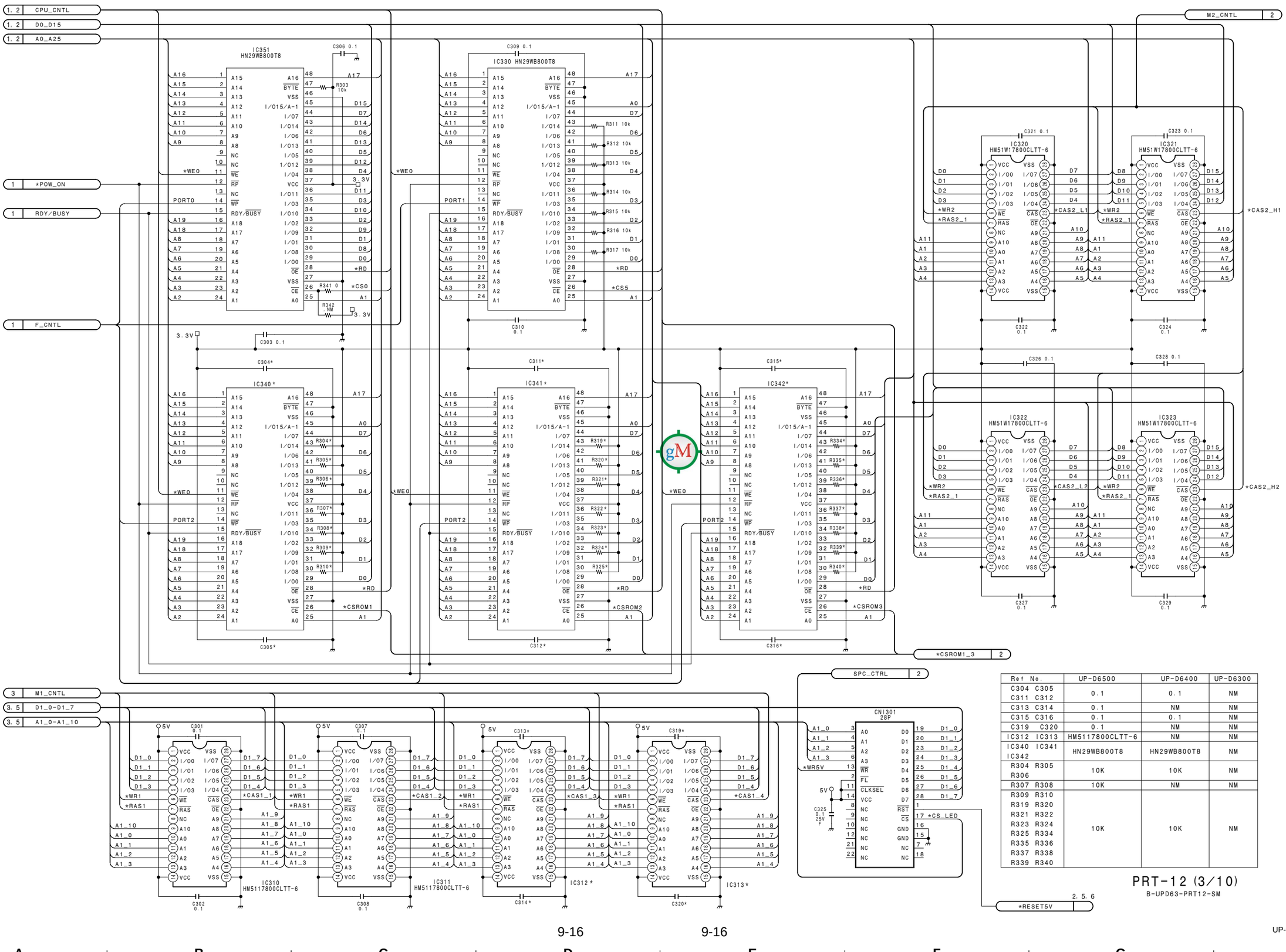
RefNo.	UP-D6500	UP-D6400	UP-D6300
R129	0	NO MOUNT	NO MOUNT

PRT-12 (1/10)

B-UPD63-PRT12-SM


3.3V
1, 3 D0_D15
1, 3 A0_A25
3 *CSROM1_3
3 M2_CNTL
1, 3 CPU_CNTL
IC201
HG72C035FD
TPE201
*CSROM3
*CAS2_H1
*CAS2_H2
*CAS2_L1
*CAS2_L2
*RAS2_1
*WR2
*BREQ
*WAIT
*BACK
*CS4
CKIO
*CS1
*RESET
*WE0
*WE1
RD/*WR
*RD
MD5/*RAS2
*CAS2L
*RAS
*CASLH
*CASLL
*IRL0
*IRL1
*IRL2
*IRL3
1 MD2/RXD
1 MD1/TXD
6 SD2
6 RD2
3 M1_CNTL
*WR1
*RAS1
*CAS1_1
*CAS1_2
*CAS1_3
*CAS1_4
3, 5 A1_0-A1_10
3, 5 D1_0-D1_7
7 HEAD_TEST1
6 PRINT_PULSE
A_VCC 5V-2
IC203 (4/4) SN74HC32ANS-E05
THERMISTOR 7
THERMISTOR_GND 7
HEAD_TEST2 7
SCSI_ID 5
BP_CTRL 4
BP_DATA 4
TERM
ID4
ID2
ID1
BPDIR
BPPLH
*BPISEI
*BPIINT
*BPIAF
*BPISTB
*BPOFT
BPOSE
BPOPE
BPOBY
*BPOACK
BP_BD7
BP_BD6
BP_BD5
BP_BD4
BP_BD3
BP_BD2
BP_BD1
BP_BD0
*DACK
*WR5V
*RD5V
*CS_SCSI
*CS_LED
DREQ
TMOUT
INT
CLK
TO THERMAL HEAD CN201
DATA IN 1 1
DATA IN 2 2
DATA IN 3 3
DATA IN 4 4
DATA IN 5 5
DATA IN 6 6
DATA IN 7 7
DATA IN 8 8
DATA IN 9 9
DATA IN 10 10
CLOCK 11
LATCH 12
STROBE 13
GNDL 14
IC203 (3/4) SN74HC32ANS-E05
IC203 (2/4) SN74HC32ANS-E05
IC203 (1/4) SN74HC32ANS-E05
HCLK
*LATCH
*RESET5V 3, 5, 6
SPC_CTRL 5
*STROB
Q201 DTC114EKA
Q202 DTC114EKA
Q203 DTC114EKA
Q204 DTC114EKA
Q205 DTC114EKA
Q206 DTC114EKA
Q207 DTC124EKA
TO LE-204 CN317 CN203
+5V 1
POW 2
ALARM 3
RIBBON 4
CARD 5
PRINT 6
READY 7
CN317 7P
LE-204
PRT-12 (2/10)
B-UPD63-PRT12-SM

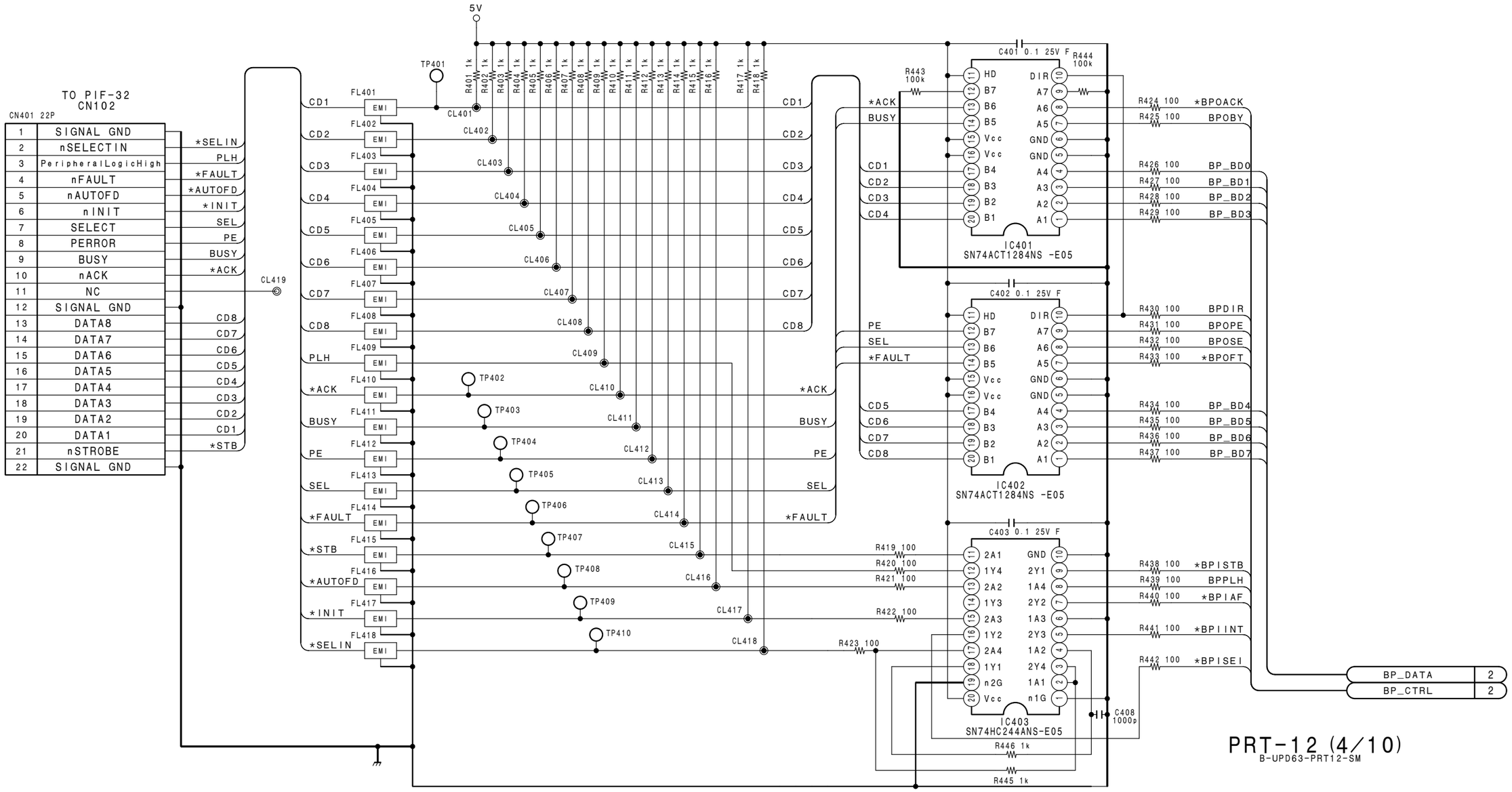
PRT-12 (3/10)

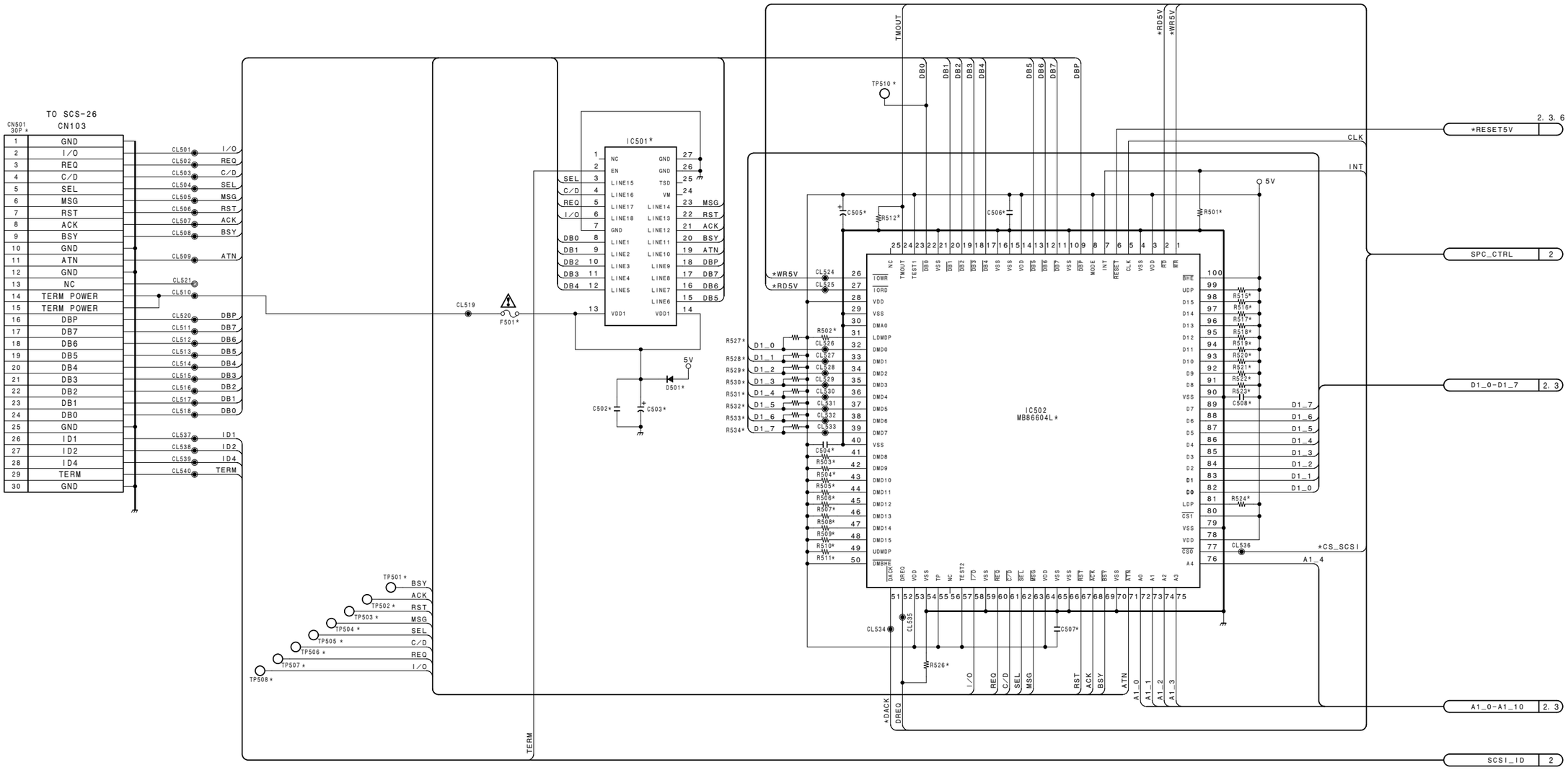


Ref No.	UP-D6500	UP-D6400	UP-D6300
C304 C305 C311 C312	0.1	0.1	NM
C313 C314	0.1	NM	NM
C315 C316	0.1	0.1	NM
C319 C320	0.1	NM	NM
IC312 IC313	HM5117800CLTT-6	NM	NM
IC340 IC341 IC342	HN29WB800T8	HN29WB800T8	NM
R304 R305 R306	10K	10K	NM
R307 R308	10K	NM	NM
R309 R310 R319 R320 R321 R322 R323 R324 R325 R334 R335 R336 R337 R338 R339 R340	10K	10K	NM

PRT-12 (3/10)
B-UPD63-PRT12-SM

9-16

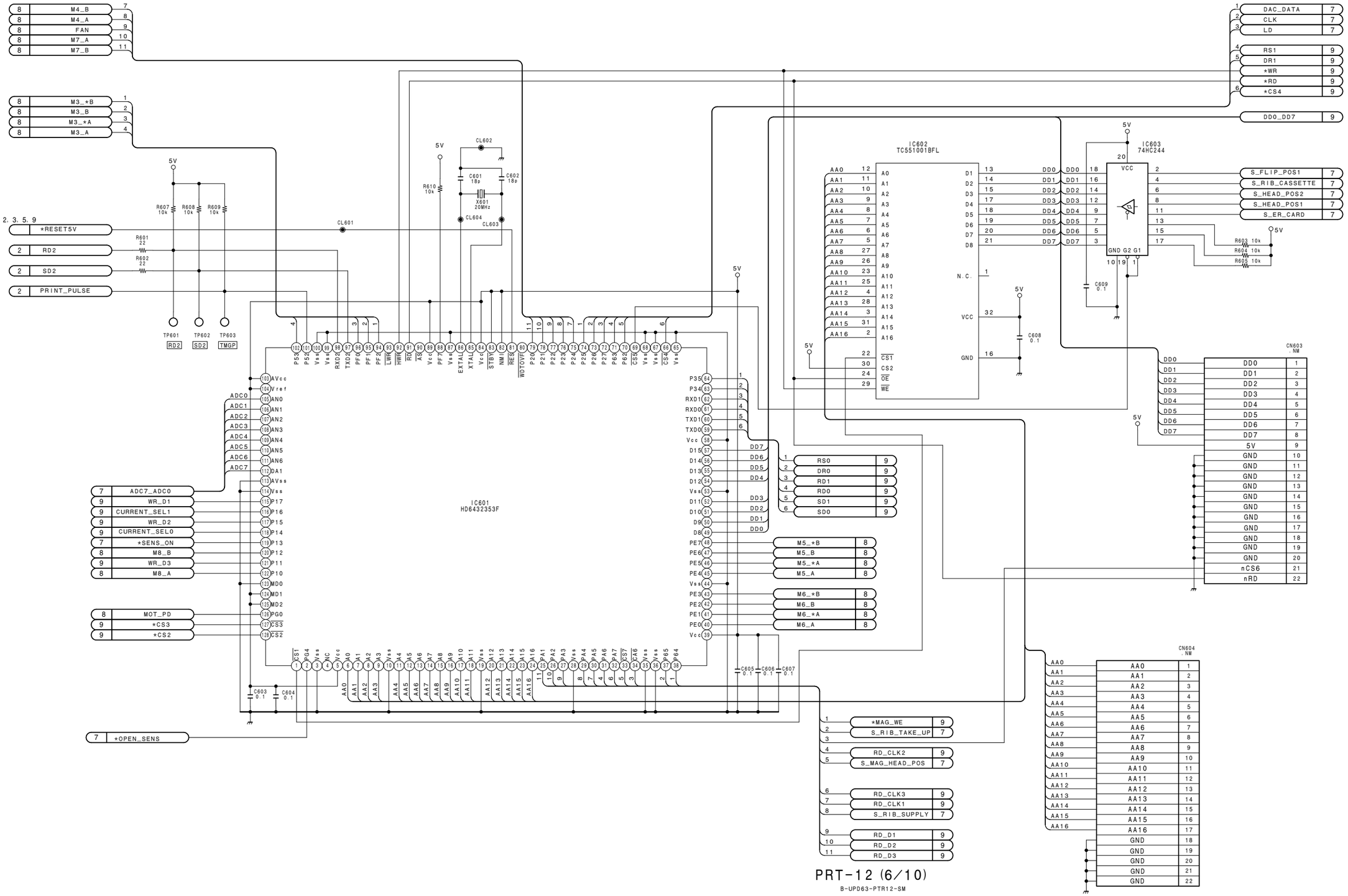

TO PIF-32
CN102
CN401 22P
1 SIGNAL GND
2 nSELECTIN
3 PeripheralLogicHigh
4 nFAULT
5 nAUTOFD
6 nINIT
7 SELECT
8 PERROR
9 BUSY
10 nACK
11 NC
12 SIGNAL GND
13 DATA8
14 DATA7
15 DATA6
16 DATA5
17 DATA4
18 DATA3
19 DATA2
20 DATA1
21 nSTROBE
22 SIGNAL GND
*SELIN
PLH
*FAULT
*AUTOFD
*INIT
SEL
PE
BUSY
*ACK
CD8
CD7
CD6
CD5
CD4
CD3
CD2
CD1
*STB
CL419
5V
TP401
R401 1k
R402 1k
R403 1k
R404 1k
R405 1k
R406 1k
R407 1k
R408 1k
R409 1k
R410 1k
R411 1k
R412 1k
R413 1k
R414 1k
R415 1k
R416 1k
R417 1k
R418 1k
FL401 EMI
FL402 EMI
FL403 EMI
FL404 EMI
FL405 EMI
FL406 EMI
FL407 EMI
FL408 EMI
FL409 EMI
FL410 EMI
FL411 EMI
FL412 EMI
FL413 EMI
FL414 EMI
FL415 EMI
FL416 EMI
FL417 EMI
FL418 EMI
CL401
CL402
CL403
CL404
CL405
CL406
CL407
CL408
CL409
CL410
CL411
CL412
CL413
CL414
CL415
CL416
CL417
CL418
TP402
TP403
TP404
TP405
TP406
TP407
TP408
TP409
TP410
R443 100k
R444 100k
C401 0.1 25V F
C402 0.1 25V F
C403 0.1 25V F
C408 1000p
IC401
SN74ACT1284NS -E05
IC402
SN74ACT1284NS -E05
IC403
SN74HC244ANS-E05
HD
B7
B6
B5
Vcc
Vcc
B4
B3
B2
B1
DIR
A7
A6
A5
GND
GND
A4
A3
A2
A1
2A1
1Y4
2A2
1Y3
2A3
1Y2
2A4
1Y1
n2G
Vcc
GND
2Y1
1A4
2Y2
1A3
2Y3
1A2
2Y4
1A1
n1G
R419 100
R420 100
R421 100
R422 100
R423 100
R424 100 *BPOACK
R425 100 BPOBY
R426 100 BP_BD0
R427 100 BP_BD1
R428 100 BP_BD2
R429 100 BP_BD3
R430 100 BPDIR
R431 100 BPOPE
R432 100 BPOSE
R433 100 *BPOFT
R434 100 BP_BD4
R435 100 BP_BD5
R436 100 BP_BD6
R437 100 BP_BD7
R438 100 *BPISTB
R439 100 BPPLH
R440 100 *BPIAF
R441 100 *BPIINT
R442 100 *BPISEI
R446 1k
R445 1k
BP_DATA 2
BP_CTRL 2
PRT-12 (4/10)
B-UPD63-PRT12-SM



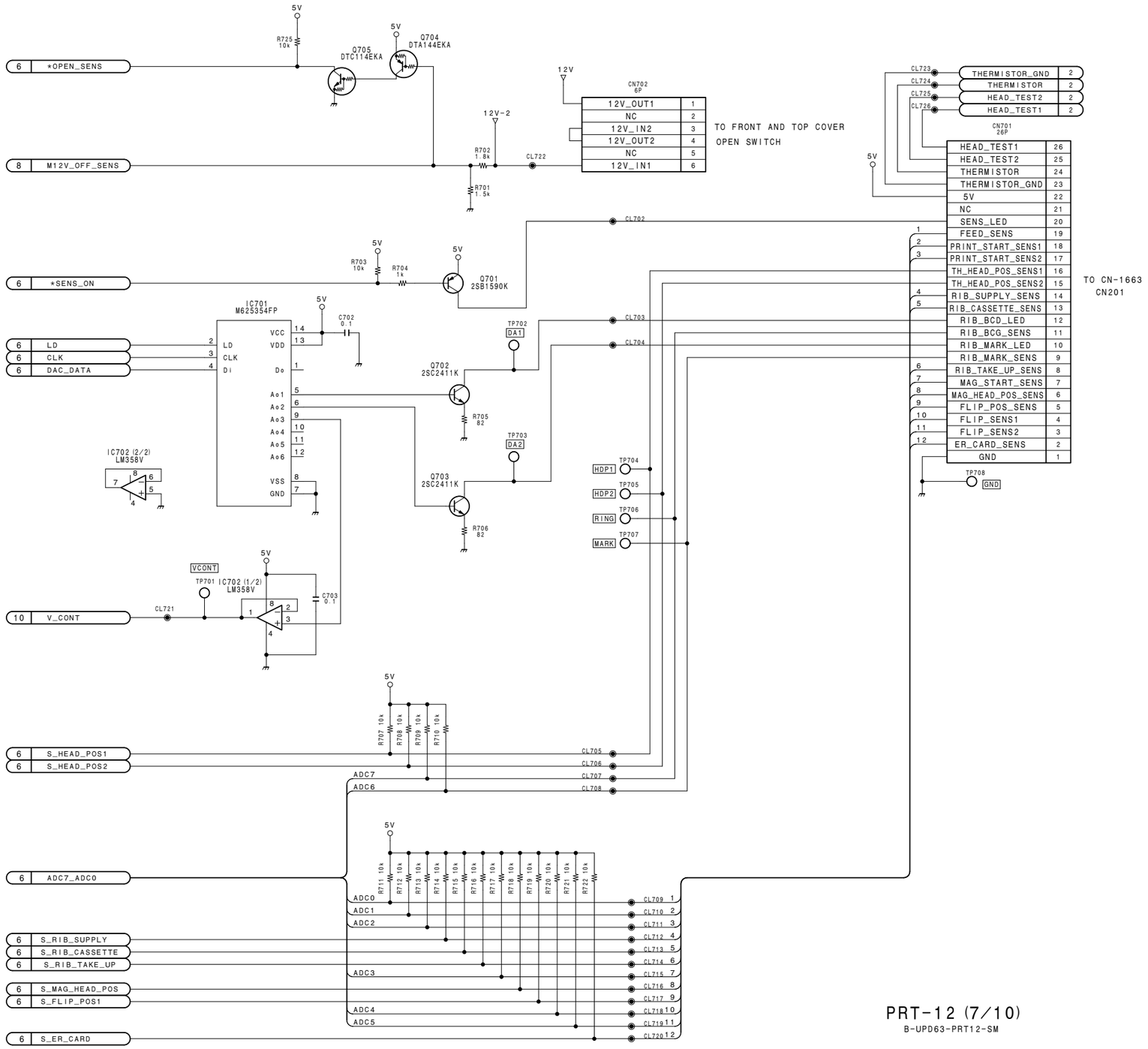
PRT-12 (5/10)

B-UPD63-PRT12-SM

Ref No.	UP-D6500	UP-D6400	UP-D6300	RefNo.	UP-D6500	UP-D6400	UP-D6300	RefNo.	UP-D6500	UP-D6400	UP-D6300
C502	0.1	NO MOUNT	NO MOUNT	R507	10K	NO MOUNT	NO MOUNT	R528	10K	NO MOUNT	NO MOUNT
C503	2.2/16V	NO MOUNT	NO MOUNT	R508	10K	NO MOUNT	NO MOUNT	R529	10K	NO MOUNT	NO MOUNT
C504	0.1	NO MOUNT	NO MOUNT	R509	10K	NO MOUNT	NO MOUNT	R530	10K	NO MOUNT	NO MOUNT
C505	47/16V	NO MOUNT	NO MOUNT	R510	10K	NO MOUNT	NO MOUNT	R531	10K	NO MOUNT	NO MOUNT
C506	0.1	NO MOUNT	NO MOUNT	R511	10K	NO MOUNT	NO MOUNT	R532	10K	NO MOUNT	NO MOUNT
C507	0.1	NO MOUNT	NO MOUNT	R512	NO MOUNT	10K	10K	R533	10K	NO MOUNT	NO MOUNT
C508	0.1	NO MOUNT	NO MOUNT	R515	10K	NO MOUNT	NO MOUNT	R534	10K	NO MOUNT	NO MOUNT
CN501	30P	NO MOUNT	NO MOUNT	R516	10K	NO MOUNT	NO MOUNT	TP501	MOUNT	NO MOUNT	NO MOUNT
D501	RB160L-40	NO MOUNT	NO MOUNT	R517	10K	NO MOUNT	NO MOUNT	TP502	MOUNT	NO MOUNT	NO MOUNT
F501	1A	NO MOUNT	NO MOUNT	R518	10K	NO MOUNT	NO MOUNT	TP503	MOUNT	NO MOUNT	NO MOUNT
IC501	BH9595FP-Y-E2	NO MOUNT	NO MOUNT	R519	10K	NO MOUNT	NO MOUNT	TP504	MOUNT	NO MOUNT	NO MOUNT
IC502	MB86604L	NO MOUNT	NO MOUNT	R520	10K	NO MOUNT	NO MOUNT	TP505	MOUNT	NO MOUNT	NO MOUNT
R501	NO MOUNT	10K	10K	R521	10K	NO MOUNT	NO MOUNT	TP506	MOUNT	NO MOUNT	NO MOUNT
R502	10K	NO MOUNT	NO MOUNT	R522	10K	NO MOUNT	NO MOUNT	TP507	MOUNT	NO MOUNT	NO MOUNT
R503	10K	NO MOUNT	NO MOUNT	R523	10K	NO MOUNT	NO MOUNT	TP508	MOUNT	NO MOUNT	NO MOUNT
R504	10K	NO MOUNT	NO MOUNT	R524	10K	NO MOUNT	NO MOUNT	TP510	MOUNT	NO MOUNT	NO MOUNT
R505	10K	NO MOUNT	NO MOUNT	R526	NO MOUNT	10K	10K				
R506	10K	NO MOUNT	NO MOUNT	R527	10K	NO MOUNT	NO MOUNT				

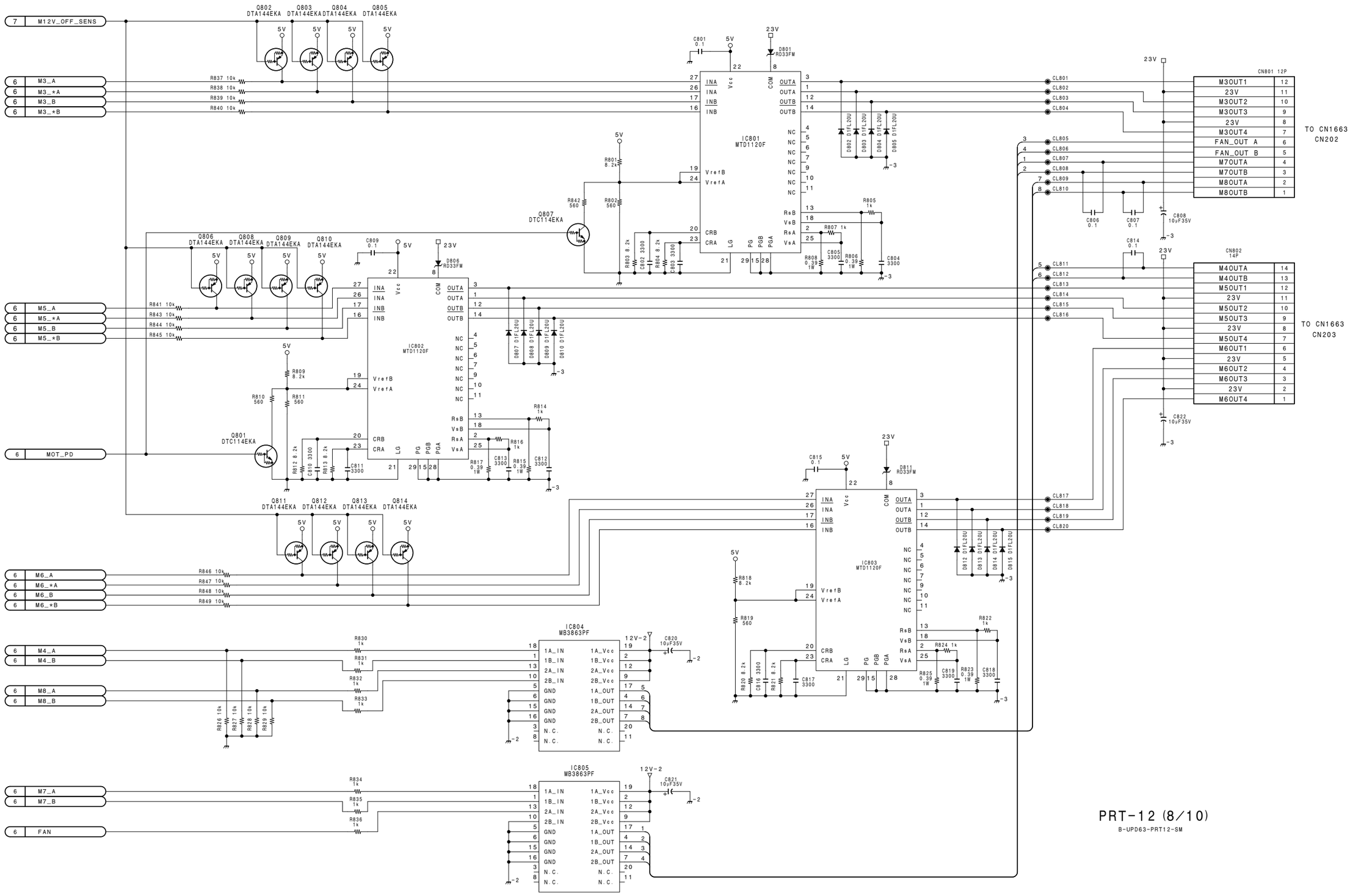

IC601
HD6432353F
IC602
TC551001BFL
IC603
74HC244
CN603
NM
CN604
NM
PRT-12 (6/10)
B-UPD63-PTR12-SM

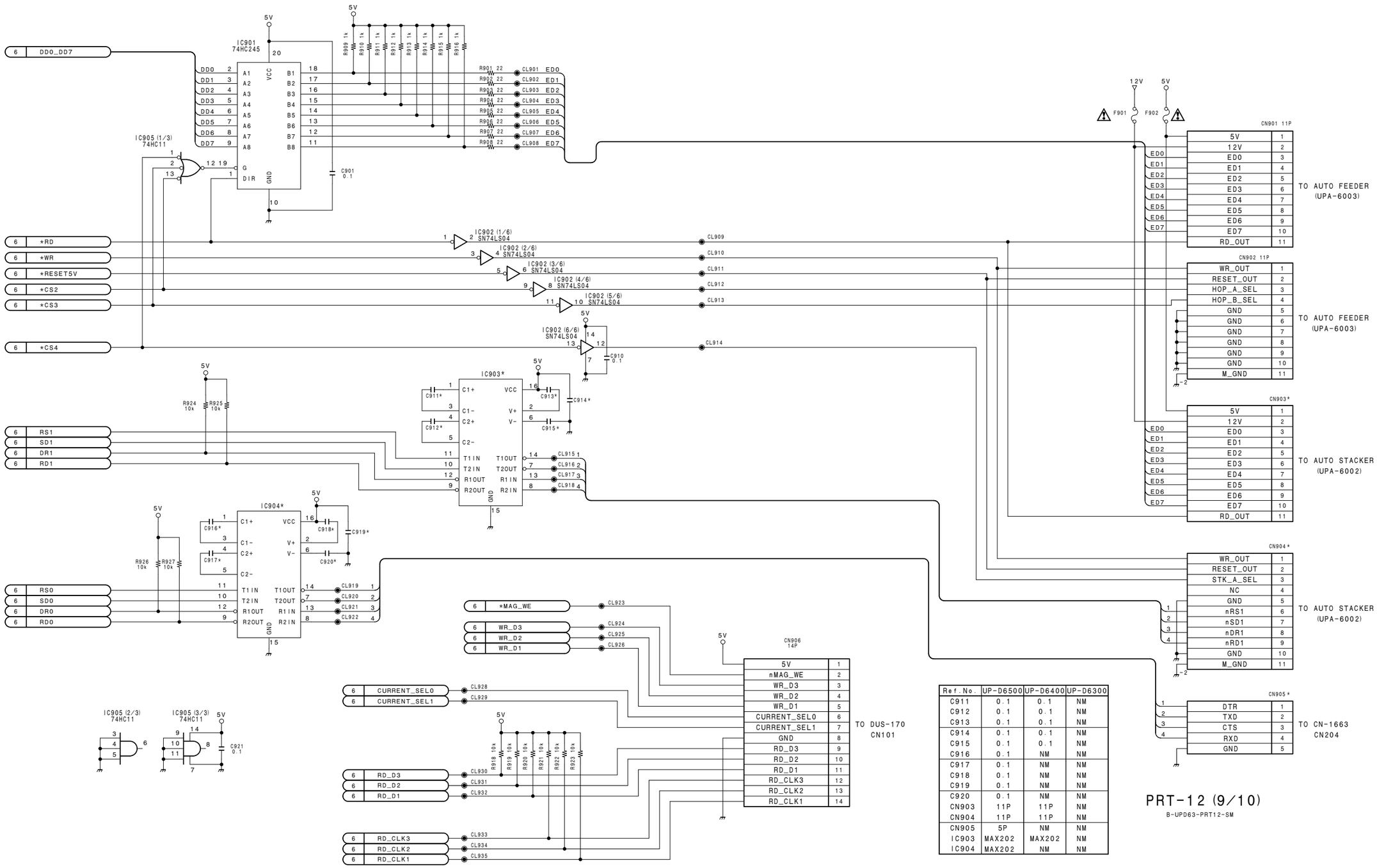
PRT-12 (7/10)



PRT-12 (7/10)
B-UPD63-PRT12-SM

http://getMANUAL.com





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C912	0.1	0.1	NM
C913	0.1	0.1	NM
C914	0.1	0.1	NM
C915	0.1	0.1	NM
C916	0.1	NM	NM
C917	0.1	NM	NM
C918	0.1	NM	NM
C919	0.1	NM	NM
C920	0.1	NM	NM
CN903	11P	11P	NM
CN904	11P	11P	NM
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IC903	MAX202	MAX202	NM
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PRT-12 (9/10)

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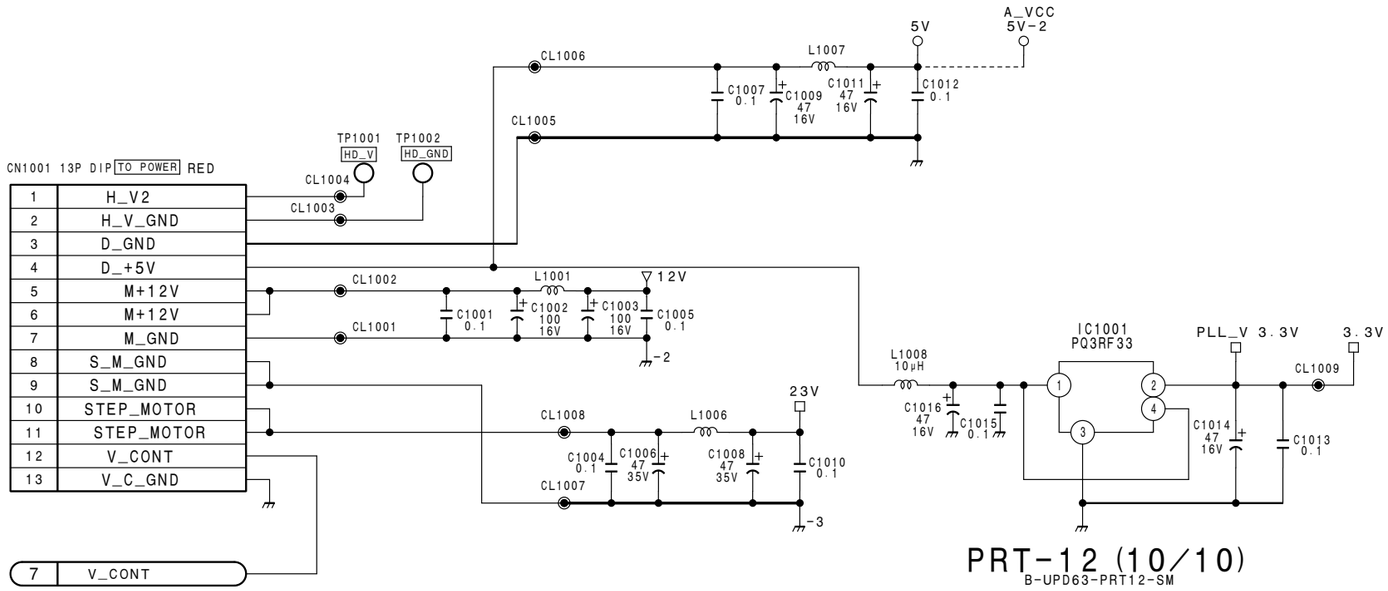
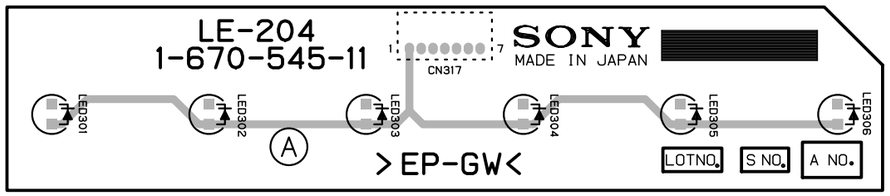
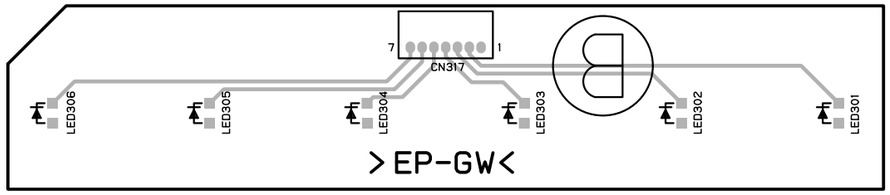




LE-204 -A SIDE-
SUFFIX : -11



LE-204 -B SIDE-
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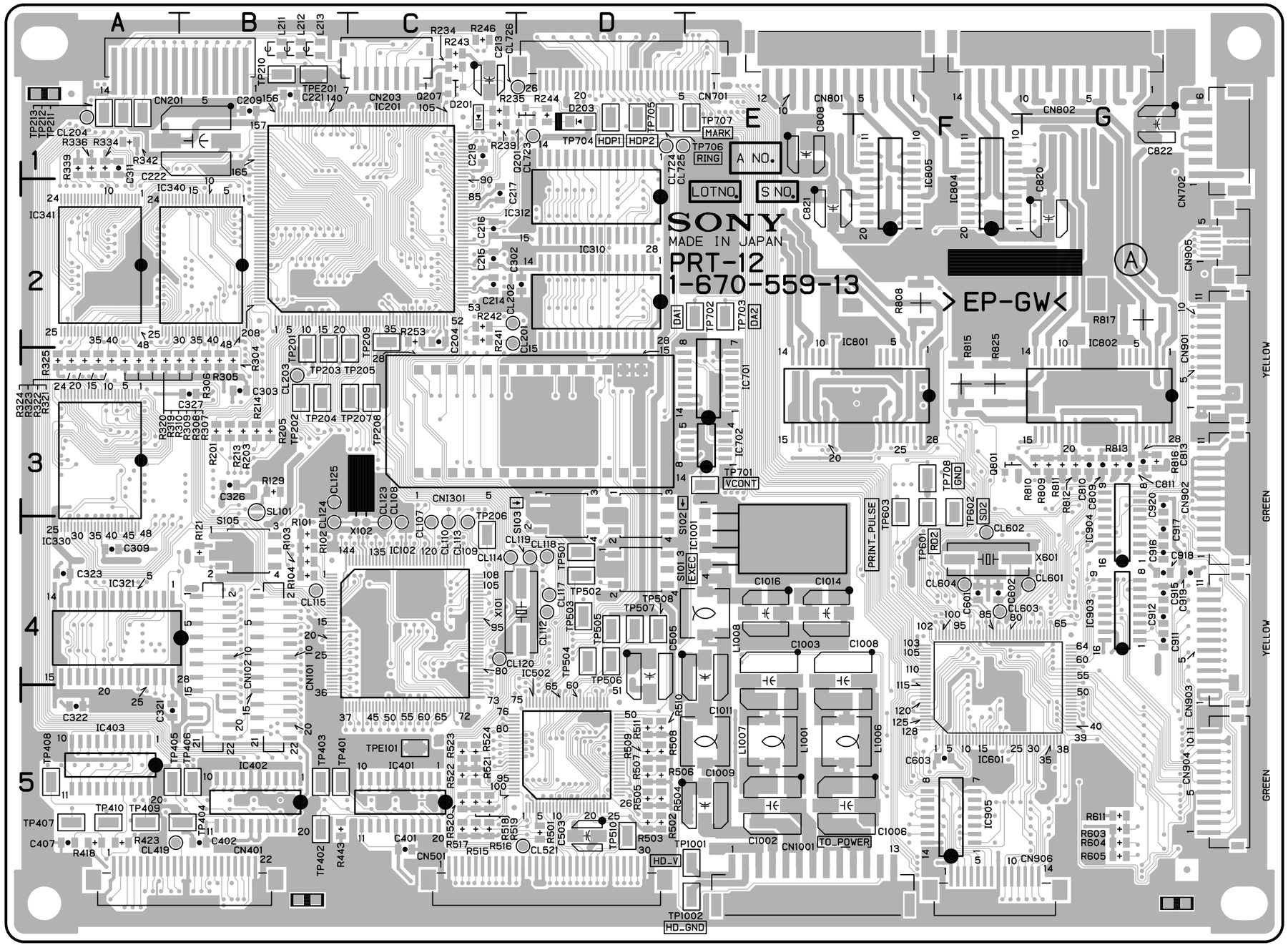
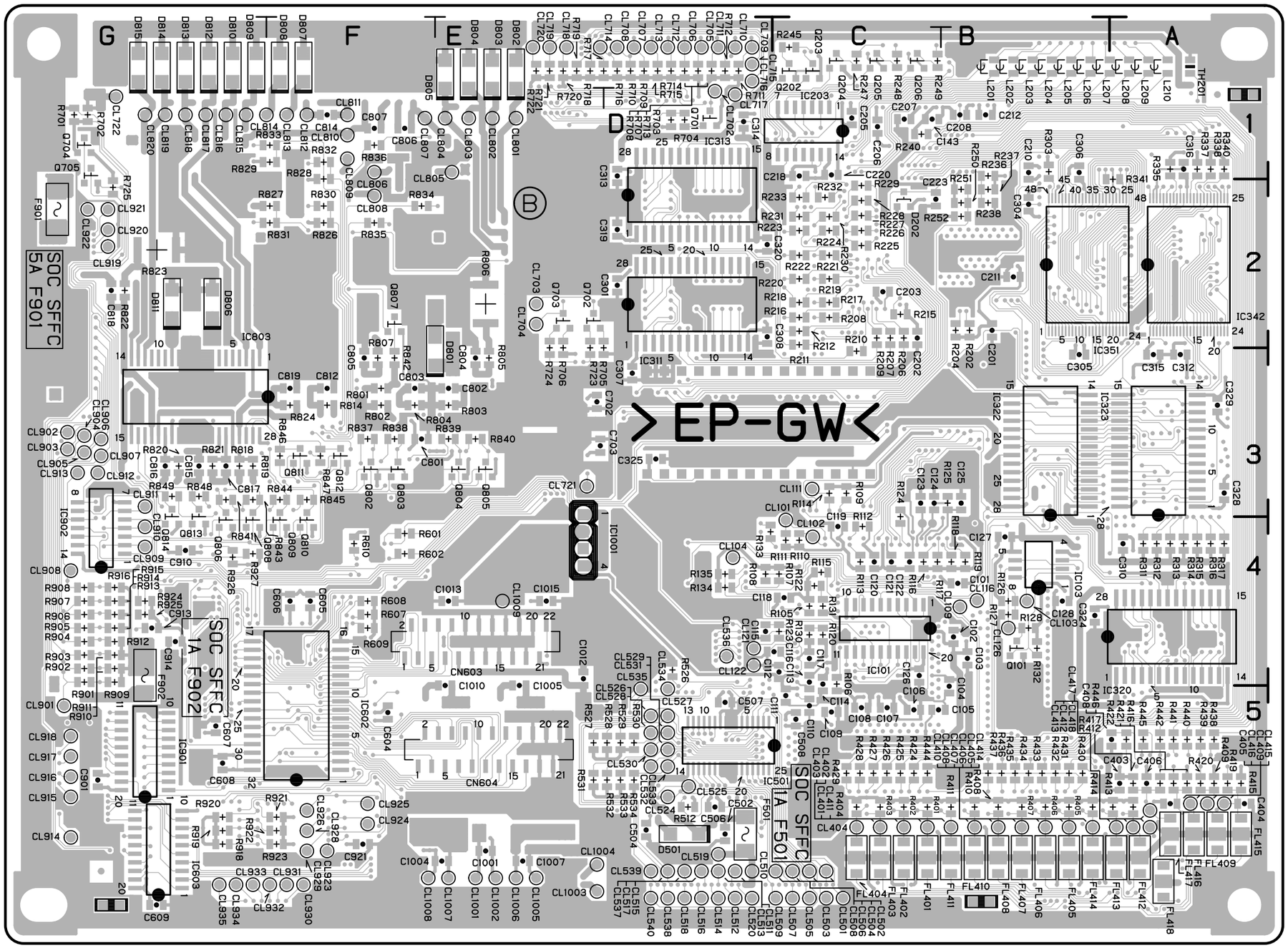


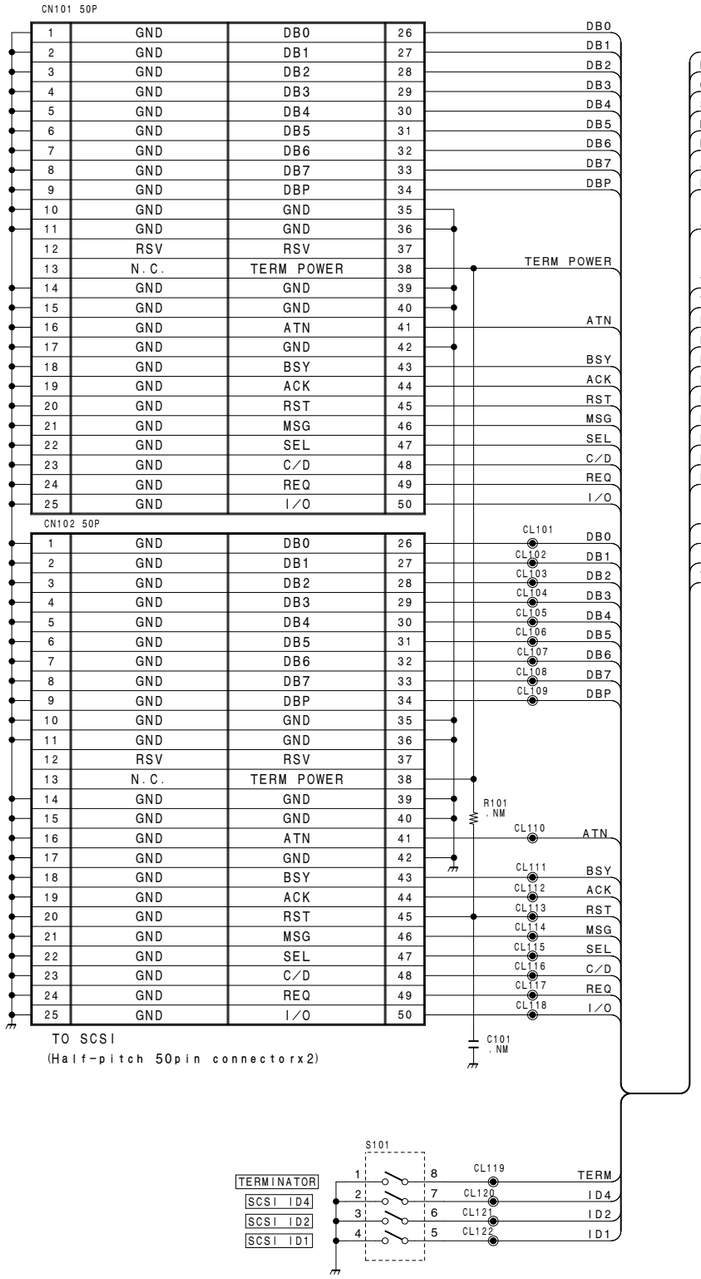
PRT-12 **-A SIDE-**

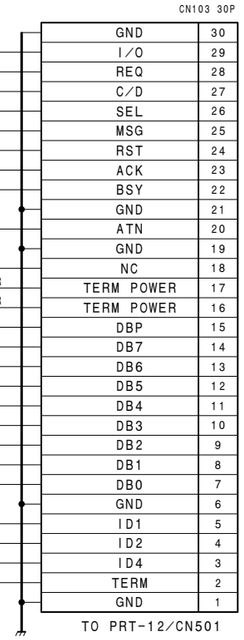
SUFFIX : -13

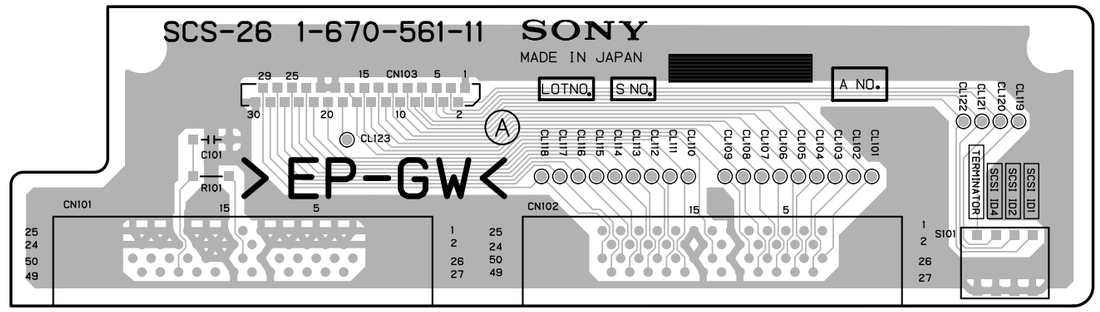


PRT-12 -B SIDE-

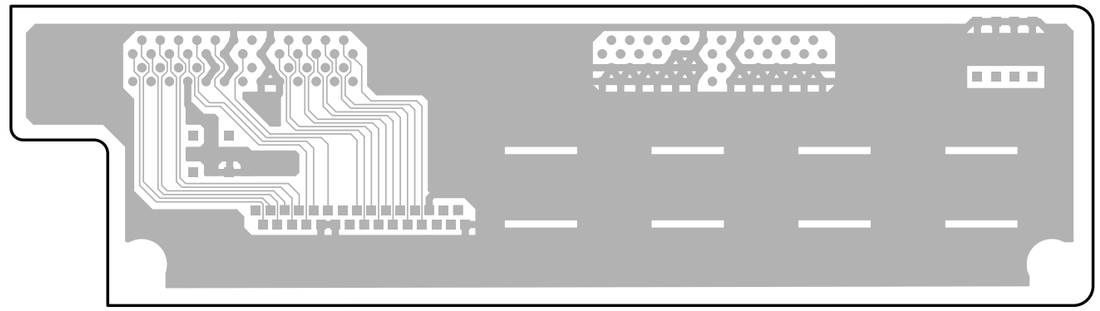
SUFFIX : -13







SCS-26 -A SIDE-
SUFFIX : -11



SCS-26 -B SIDE-
SUFFIX : -11

SCS-26
B-UPD63-SCS26-SM

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9-977-356-21

Sony Corporation
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Printed in Japan
1998. 11 22
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